

8	27364	92836	89428	81268	74982	46498	32784	31277
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
711	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
7	87432	74328	78674	29867	32867	67867	86786	43286
7	68768	68763	34234	34238	68768	62342	48273	48768
26	98432	32432	86743	43286	43286	43286	43286	43286
243	86743	86743	39867	32867	86743	43286	43286	43243
8	86743	86743	86743	86743	86743	86743	86743	86743
92	98798	98754	98754	98754	98754	29867	67543	67986
6	87698	69876	87698	69876	87612	12341	34867	86798
7	43298	65656	56756	56123	32143	14321	32143	14321
7	58767	58767	58767	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #332, May 2025

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

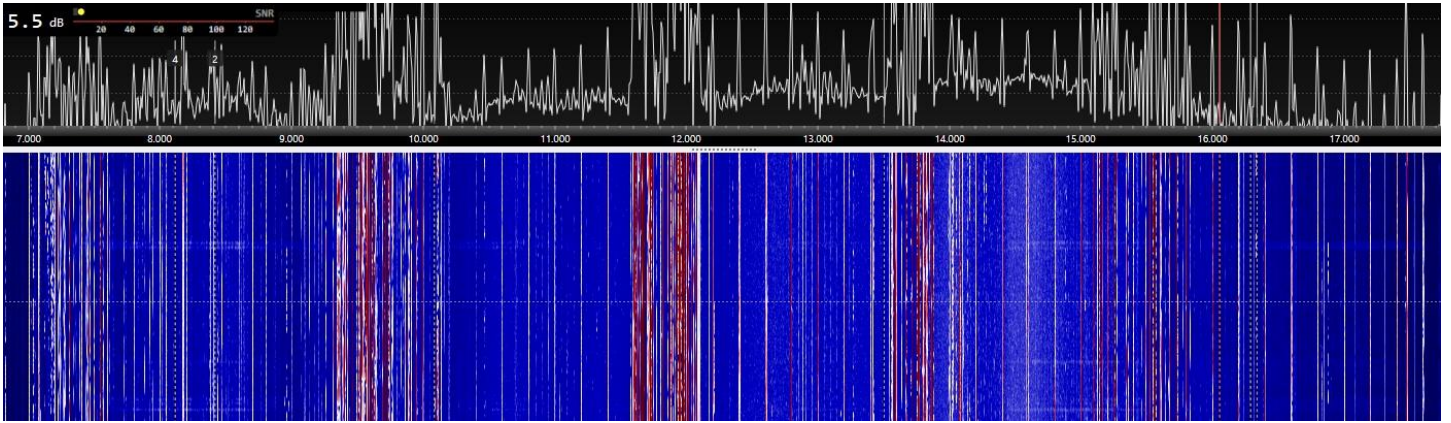


- . . . - - - - - -

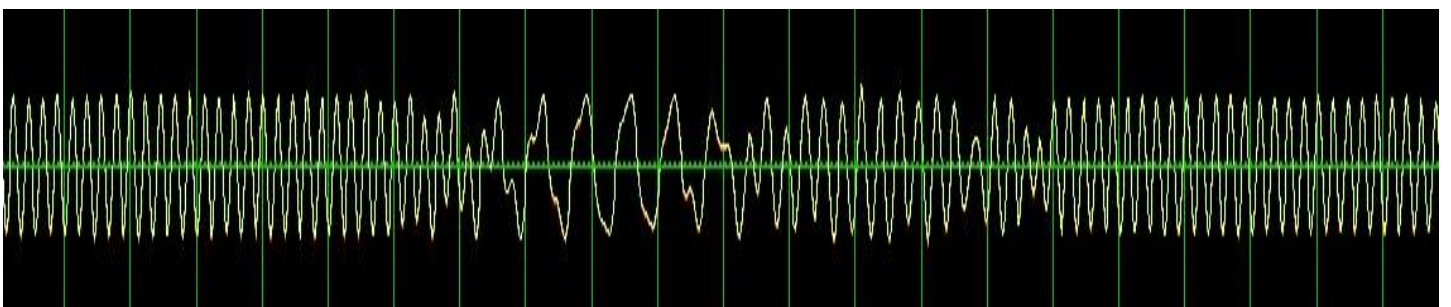


Numbers and Oddities

CONTENT



CONTENT.....	2
FOREWORD.....	3
VOICE STATIONS	3
MORSE STATIONS	17
DIGITAL MODES	36
DIPLOMATIC STATIONS.....	65
UTILITY ROUND-UP	67
RUSSIAN MILITARY TRANSCRIPTS.....	69
LOGS SECTION.....	70
CONTRIBUTORS.....	131
APPENDIX.....	132
COLOPHON	135



FOREWORD

As announced last month, the May edition of N&O is late. This is due to the editor's vacation.

May was another busy M23 month with even a short-lived 24-hour schedule.

The XPA2 Thu/Sat schedule 14794/13994/12194 kHz, 0910/0930/0950 UTC changed frequencies and times in the middle of the month. The new slots are 20158/19246/18479 kHz, 0900/0920/0940 UTC. That's the third Russian 7 schedule in two months to move to new time slots, tracked for you by the Priyom crew!

VOICE STATIONS

E06

13457/11128 kHz, 03-05, 1600/1630 UTC

14735/12207 kHz, 04-05, 0730/0800 UTC

480 721 45

94917 92731 59603 62876 78434 50254 94858 47190 89297 15179

30851 18584 01396 46564 36546 80789 80547 83890 57462 28328

40684 67535 75849 01802 97258 18942 54073 79350 73216 69810

87985 46859 98468 34517 76950 49675 68372 32873 13578 12818

38936 69610 90329 90265 94609

721 45 00000

E07

16132/18232/19432 kHz, 1500/1520/1540 UTC

16132/18232/19432 kHz, 02-05, 1500/1520/1540 UTC

124 124 124 1 496 155 496 155

52457 76242 24729 52794 97995 96034 18811 14432 01610 04618

00226 32236 92957 05353 82770 17385 63965 86572 09351 08298

24117 52711 02695 39939 05233 73811 56714 52222 24230 00385

07259 51703 59998 40416 04157 76085 15396 84413 78122 71951

66514 72344 96089 00213 29765 23173 71181 49521 38575 27813

21608 98391 81928 23994 22214 50234 41436 82515 49146 47410

78492 14807 37042 58023 53216 95016 13709 27680 46977 43548

19491 82665 01748 21691 65582 17109 84979 34369 81003 62046

70386 79784 83478 10480 96045 06167 89911 82656 25101 43607

06037 72583 55275 70321 84541 97719 94310 85450 88915 75984

34135 74927 29835 12345 65830 23577 99415 43789 85381 34020

30066 24306 66515 07977 15330 79305 23040 07566 66487 88291

60347 93362 04631 47536 68650 82857 56405 78946 56487 64718

99661 81775 53265 43029 42613 84586 22600 58321 17904 20725

44335 89924 99302 39920 26921 23626 77840 39343 79253 68622

99570 82821 31479 20719 41456 000 000

16132/18232/19432 kHz, 13-05/16-05, 1500/1520/1540 UTC

124 124 124 1 8428 91 8428 91

79642 31600 65251 86670 50379 57670 45711 07698 13198 62415

30761 89362 87256 15280 52691 56217 96127 41233 12356 78141

04032 71885 02173 89513 21952 25113 30637 25730 81102 61347

17966 02161 13299 14261 09012 24576 76134 47944 52515 94067

50780 05696 46249 52785 13215 30528 48937 65009 00115 90613

48321 63091 48016 16591 14954 22295 03541 03986 43771 36336

66251 49341 02726 20287 58289 52317 89638 10073 97344 00633

93613 04221 01589 65747 94185 62069 44941 43526 15586 87717

85268 25447 82428 67735 54382 05668 18015 57457 46343 03297

05040 000 000

16132/18232/19432 kHz, 27-05, 1500/1520/1540 UTC

124 124 124 1 5096 180 5096 180
36444 15468 68103 49231 29116 75857 11274 37647 96979 13363
05517 92628 00812 96315 30889 95825 02757 75734 40342 77597
99976 91461 05738 95061 28471 92952 26529 78524 97693 98944
00956 47578 39019 97389 21848 85858 17114 96993 66203 86259
03582 40694 19266 11048 67087 83121 48822 83024 37806 72284
71390 47782 54909 67257 35511 43434 05403 40189 66295 44830
99663 09119 62871 86010 70068 18903 70110 24995 06478 59094
99576 98984 34833 83370 48345 75044 70384 77146 07608 42858
24661 91528 66227 60036 45176 58943 93215 26127 67114 27667
40649 55888 95850 13522 08743 15076 09282 71462 15599 90392
18734 87500 65186 46274 88661 93116 52946 38512 05169 32401
23954 85218 97221 16776 36112 60713 61192 05569 86730 18960
14733 68476 21639 51034 44796 09614 60125 00651 82490 17741
71165 48832 78210 64705 31341 91089 90263 10566 94230 78374
15705 47348 04423 63844 48181 65983 46152 47648 11024 30950
24155 05400 47262 63459 88214 69433 62026 36911 22826 46073
88393 46317 02161 61210 10417 34912 93541 92710 36018 60630
91377 54067 88228 77139 67254 44098 30511 55992 49111 89401
000 000

17468/16292/14876 kHz, 1000/1020/1040 UTC**17468/16292/14876 kHz, 08-05/10-05, 1000/1020/1040 UTC**

428 428 428 1 462 149 462 149
50613 22039 58563 84665 37798 19039 19795 76573 80827 22533
20559 63862 01023 35353 89345 14764 68601 03530 73504 19816
08646 25831 59879 40512 50471 68710 30372 51797 57349 04808
36355 58618 96045 34030 57076 03658 28945 72635 63024 97038
96230 06165 75301 01399 14141 07873 54716 93892 59296 40178
74141 91648 45881 49342 00227 57391 45201 05320 28368 58412
35087 58113 63145 28423 38909 11654 93465 74838 11132 23877
98924 95129 72866 41505 24584 26530 82485 10062 83039 15298
78779 26808 61498 46978 50221 48628 88429 70246 76225 50834
84346 83955 41848 27387 47273 45927 81432 90965 80247 61223
91975 68301 73946 48791 91545 58350 10707 36937 25715 31606
63471 76451 06423 03066 37180 91566 83586 04176 25620 74812
08178 76147 18551 24472 32129 48715 25520 14440 31270 98765
78002 95643 51499 31270 32396 08243 90796 97640 57112 33751
91287 51589 38154 12523 67250 14590 86918 61782 75784 000 000

17468/16292/14876 kHz, 22-05/24-05, 1000/1020/1040 UTC

428 428 428 1 376 107 376 107
41871 66234 86940 92455 44675 02229 58014 80771 38344 48929
10855 17265 25201 27149 83369 77213 98409 58579 83069 57295
44799 90297 38362 28740 80994 18764 26468 54319 34827 67542
05518 05500 90103 80615 06888 78622 72347 66076 95525 06223
46171 53387 25046 72464 83278 92026 30099 97529 60551 33514
56009 78145 46812 04149 72729 85208 76886 12680 22477 90374
90540 39431 81032 68758 77148 06389 08693 74736 75305 88700
59839 18800 51567 26554 47031 55758 90104 46249 20755 83624
87420 03619 35309 34104 34496 61477 35663 66640 19991 85191
12273 54910 46573 99023 07958 89451 79644 88086 96357 87848
13010 03544 18118 23276 16277 48184 000 000

9150 kHz, 02-05/04-05, 0600 UTC

355/36 Attention

70992 93096 56209 70798 03791 82773 92537 72020 58719 04054
88533 03836 08642 50935 41162 37609 61777 81729 55052 70622
93548 49643 77987 45650 42870 79308 19946 85996 22163 99720
90630 99680 88374 28819 47689 09107

Attention (message repeated) Out

7984 kHz, 01-05/02-05, 0720 UTC

439/32 Attention

11125 96924 25887 62783 92270 82404 03982 74514 93389 32561
43768 91975 99398 54010 57219 39875 11498 78703 19563 46797
30498 18447 14187 71436 45220 04367 75043 39199 34046 05970
99738 01132

Attention (message repeated) Out

7377 kHz, 03-05/04-05, 0700 UTC

490/40 Attention

84312 87287 95283 93308 86141 22216 66845 87721 39732 32712
22163 58590 38629 23804 58924 69577 31626 54297 53347 52270
50901 73428 68616 91270 93623 42023 71452 56515 46496 06254
73178 81547 82394 41961 08653 24790 95452 80398 80957 87793

Attention (message repeated) Out

5082 kHz, 03-05, 1645 UTC

367/34 Attention

26153 51736 63929 33321 02790 22510 43346 73897 52366 58748
33741 95025 83022 17748 59423 37003 01604 74295 31653 74800
02395 92045 10196 64187 73983 77979 83147 50584 34950 32658
10897 46506 29249 78500

Attention (message repeated) Out

9610 kHz, 05-05/08-05, 0745 UTC

266/37 Attention

65831 35595 58259 93905 86038 26109 54176 14729 10196 11631
38331 41459 33676 31472 81166 72015 73227 12118 07088 79225
49958 53477 84098 08092 74354 48519 25869 81404 57861 10392
75710 88229 90335 92124 06572 74236 20926

Attention (message repeated) out

7600 kHz, 05-05/08-05, 1900 UTC

640/36 Attention

54640 55489 29159 91712 61297 33013 46188 84853 90826 34767
73417 28833 20296 95034 89405 51632 77893 83296 02359 05511
35686 36724 61052 64670 67074 85815 52837 81978 60676 91712
13358 60284 30206 26856 36211 58950

Attention (message repeated) Out

11092 kHz, 06-05/08-05, 0645 UTC

518/40 Attention

45749 03508 52189 20892 84837 44437 30825 67561 98983 15409
36503 72148 07994 80865 95457 24562 76364 54570 96916 45975
29061 88936 71049 18384 43373 60732 95080 75192 85113 45671
52874 10245 06645 89071 64427 37892 83064 77493 76348 49009

Attention (message repeated) Out

12984 kHz, 06-05/10-05, 1430 UTC

915/32 Attention

17712 20257 47720 38416 33301 99863 19854 72266 24691 13288
49261 53025 07288 34391 58390 69292 67656 84593 38813 20604
62439 12139 87704 47105 05130 13798 36081 47945 77007 96128
95799 84318

Attention (message repeated) Out

5231 kHz, 06-05/11-05, 1605 UTC

232/39 Attention

87596 92657 15417 30885 48450 46335 95980 93922 30126 11812
43734 78761 01033 53887 39709 01703 01259 91086 97396 33363
52376 16955 15846 80549 26771 65131 92763 51503 17055 77888
18307 97063 02651 97717 20208 14179 89682 26884 77155

Attention (message repeated) Out

15720 kHz, 07-05/09-05, 0745 UTC

340/33 Attention

27532 28392 20421 18980 22855 70201 94448 58044 04682 11935
90334 80064 05345 92758 44270 96917 04728 03545 33028 66590
78813 80173 30679 88986 39470 48207 66935 07748 14139 83302
84120 19836 42782

Attention (message repeated) Out

6923 kHz, 07-05/08-05, 0930 UTC

275/33 Attention

91486 72646 55044 84650 82407 89742 84662 93701 31903 43769
46048 36827 84378 62572 70874 24777 32233 71041 71838 09065
30573 34721 36878 42456 81582 90243 24275 75943 06066 68762
39503 54055 47347

Attention (message repeated) Out

7863 kHz, 07-05/09-05, 1715 UTC

972/32 Attention

98560 76490 34912 62562 16830 98988 31734 33092 74083 76670
41328 22609 77121 08605 93174 16931 07892 53020 41969 00958
37996 75451 07171 44756 91099 08048 32088 88955 29523 67020
11378 40227

Attention (message repeated) Out

5409 kHz, 08-05/11-05, 1800 UTC

524/33 Attention

54747 78876 22813 18067 81769 67352 77644 07950 40216 25940
79034 51452 41157 59449 42085 19207 51085 84391 66689 73867
62367 33149 85822 48415 44621 54455 23075 25242 28446 26246
75890 01400 45754

Attention (message repeated) Out

9610 kHz, 09-05/11-05, 1910 UTC

613/35 Attention

50409 00492 48698 35375 98936 25230 29357 37433 20119 48846
50931 37562 99419 39642 88897 88045 01186 00695 02178 42031
09104 43333 37821 59035 78421 87112 46084 55809 86283 15338
88224 37576 54964 36409 85842

Attention (message repeated) Out

21906 kHz, 12-05/14-05, 0600 UTC

945/35 Attention

09122 55323 90438 78518 36332 66035 75187 49083 33457 41562
17059 39536 57265 01164 11879 32976 76103 99680 63240 76251
75946 42817 93641 59417 21636 90687 54455 15963 88038 86641
09711 51457 65224 66500 39142

Attention (message repeated) Out

10508 kHz, 12-05/14-05, 0645 UTC

413/39 Attention

25347 38917 38383 14248 50906 80704 05311 27837 34897 24417
75860 11547 83000 62745 71725 34609 38422 72860 85664 63457
15157 00415 62665 40778 94742 93144 09345 24142 17567 45613
76164 34286 38060 34700 81280 68057 68052 75626 85736

Attention (message repeated) Out

16335 kHz, 12-05/16-05, 0830 UTC

180/24 Attention

51702 63918 19284 26049 91465 38541 03279 58573 41608 42066
00886 09668 79599 19276 25266 98051 53196 33556 03232 17328
02668 54047 60235 28498

Attention (message repeated) Out

10210 kHz, 12-05/14-05, 1045 UTC

697/30 Attention

79998 23997 22408 23078 30051 56466 15371 29013 50690 01568
31830 59947 38616 96339 80251 72374 64438 24297 43945 12217
18186 75612 78811 85404 34746 15405 98593 92443 68746 22161

Attention (message repeated) Out

8680 kHz, 13-05/16-05, 0700 UTC

575/35 Attention

41597 89883 98364 10321 79499 01541 87063 80207 03440 91210
09238 64605 43773 29372 89003 20701 11696 87668 05111 53505
69354 42248 93937 08261 91003 05858 43175 42540 60860 95429
25934 83473 90153 09613 77983

Attention (message repeated) Out

12530 kHz, 13-05/16-05, 0715 UTC

636/34 Attention

95900 23634 63711 64672 15254 09768 88394 84144 01033 59753
82572 09479 02121 70921 76197 23235 45348 94483 23581 88958
22209 46276 82241 46541 97316 40868 64269 01830 59685 96740
01061 44637 80056 61146

Attention (message repeated) Out



17410 kHz, 13-05, 0725 UTC

518/00 (Off after 27sec. Should be F03j)

8274 kHz, 13-05/14-05, 1205 UTC

464/33 Attention

44281 18593 66301 62790 18657 00890 58006 05884 64206 58125
88266 10449 74759 36152 91232 11432 06593 81282 75895 26772
71714 91528 89470 72159 43319 70188 58363 40059 73622 02926
94790 26181 26783

Attention (message repeated) Out



7984 kHz, 15-05, 0720 UTC

432/48 (R1m28s) off

12229 kHz, 16-05/18-05, 1815 UTC

924/39 Attention

08518 23064 63582 08169 89794 12614 49106 09223 33981 01762
84492 55542 45116 40138 81336 60265 64321 87079 56883 27861
76349 42545 75239 59133 38167 70056 74731 20288 52722 72990
03508 33028 74400 37807 51837 23123 59766 50349 31706

Attention (message repeated) Out

11116 kHz, 19-05/21-05, 0900 UTC

537/31 Attention

38114 00998 99918 31623 33851 98543 64765 66390 31433 85500
77141 41418 90612 61406 81699 86909 05070 64996 17418 93427
52871 43664 05984 84102 63840 55253 70187 65223 59656 61102
93225

Attention (message repeated) Out

5737 kHz, 19-05/22-05, 1300 UTC

314/35 Attention

93980 45750 26669 12394 51551 43104 97897 06393 13998 94869
44105 00542 28048 35218 19784 64194 59387 81897 84768 07369
06657 38502 43012 95919 76274 44723 26621 71748 29268 13496
93734 76758 50418 34620 56509

Attention (message repeated) Out

14410 kHz, 19-05/25-05, 1745 UTC

247/33 Attention

68426 06259 41537 03690 96901 10543 49724 72085 66568 79670
17770 42538 67080 76080 40126 52142 39509 15422 91627 52316
00263 81215 94999 74885 03440 16646 96259 06347 04165 19651
32892 54059 04559

Attention (message repeated) Out

17378 kHz, 20-05/21-05, 0820 UTC

133/37 Attention

61765 39835 10134 66866 66253 45924 02847 23874 46891 00752
00733 55690 68825 78632 73719 48086 43130 74841 29014 12464
35738 86966 80562 80180 56427 70584 35757 54947 39356 55564
51199 97799 29868 56634 72925 28461 43386

Attention (message repeated) Out

20640 kHz, 22-05, 0745 UTC

229/32 Attention

40102 23579 04908 23045 32760 02827 25940 19283 26065 17555
66750 04912 44238 37659 95703 08430 07195 01599 76564 49991
87554 94900 97780 44687 60503 99527 26055 70126 19611 12933
07642 18149

Attention (message repeated) Out

15915 kHz, 26-05, 0715 UTC

753/32 Attention

02528 81674 14364 57113 66271 52589 42224 73144 81831 92808
14141 09899 40632 81780 29826 05898 66748 84431 64573 83065
60873 39396 39147 83697 95717 28188 82569 62829 14312 73088
45571 11395

Attention (message repeated) out

12815 kHz, 26-05/28-05, 0845 UTC

716/38 Attention

08295 15527 37905 58275 43275 44685 23738 05927 62645 03166
76801 26242 67659 22803 11988 51874 96009 06970 68882 16966
04880 13120 75455 47058 41339 96517 73163 87410 00494 57910
48247 78627 83847 81679 45181 11862 16073 71617

Attention (message repeated) out

19184 kHz, 27-05, 0845 UTC

154/21 Attention

90340 09472 03255 89922 01260 64657 63437 87061 78591 16827
54394 89065 07658 74833 14126 61022 46594 95193 52238 52512
30339

Attention (message repeated) out

12153 kHz, 27-05/30-05, 1000 UTC

300/39 Attention

70112 31497 63978 11440 96208 50444 16584 26587 83355 94888
35612 52299 66170 91961 38740 31859 32927 12510 93359 21578
79073 35500 24590 92751 86408 95652 31157 73211 01306 61909
01370 99196 68670 75569 45004 81329 61431 53252 38208

Attention (message repeated) Out

14575 kHz, 27-05, 1645 UTC

336?/40 Attention

_____ 05229 09330 58516 49654 51050 62409 73880 65387
98223 78911 00732 94065 39739 28044 17940 34953 06884 68733
27548 41634 83829 51780 78703 15583 60232 49138 76314 0____
72267 96610 82055 01831 49305 73412 23660 53451 62999 51290

Attention (message repeated) Out

4783 kHz, 28-05, 1610 UTC

394/35 Attention

65823 14572 65664 77183 19631 35577 90957 37765 07221 64677
41182 76410 49000 60916 19721 42357 72640 98991 98556 69444
91292 16944 32289 08312 96236 09569 72558 05184 25765 44869
74988 75659 70317 62367 52463

Attention (message repeated) Out

S06

14975/13389 kHz, 07-05, 0930/1030 UTC

480 396 45

70340 89469 40696 73931 90242 85301 83802 15391 97484 12589
14156 39241 27915 34218 13905 98712 30138 25783 29530 05309
94648 36920 56974 87434 37964 72819 38309 47848 60983 53892
79705 65750 58902 54564 83696 37207 23763 14130 60516 82542
54681 08165 78205 56898 32160

396 45 00000

14975/13389 kHz, 14-05, 0930/1030 UTC

480 962 41

25317 62084 20917 05013 69541 24946 78654 69686 64895 42871
75818 48038 32109 20184 40504 36950 34971 05420 74080 02607
13136 45038 78273 24267 63191 95341 96490 34718 65727 32471
89376 15080 26217 48458 76714 93701 62182 67902 42982 35361
78969

962 41 00000

13457/11128 kHz, 10-05, 1600/1630 UTC

14735/12207 kHz, 11-05, 0730/0800 UTC

480 157 44

07234 94343 42986 58416 52765 17613 62563 56965 46230 64726
63421 39638 17847 20276 10292 79645 14809 82189 27836 43569
03623 16103 95818 89639 60187 71246 98620 20915 15201 20801
75317 83941 49468 25193 49586 60126 68745 69740 48087 20192
27380 36251 28416 68914

157 44 00000

11149/9205 kHz, 23-05/24-05, 1900/2000 UTC

842 630 51

36011 76736 61047 35548 31058 01376 05134 80522 44835 79827
64842 88549 81240 80928 11624 90412 16222 81693 41386 48199
78944 24095 34769 55187 86342 92564 73464 33277 45888 84724
63694 02020 35709 68417 93899 02335 51926 19536 05992 02730

71655 55360 86965 37841 43042 50781 47486 78014 07315 76559
73655
630 51 0000

11616/9322 kHz, 28-05/29-05, 0400/0420 UTC

21583 36479 80010 01148 40363 09790 77089 06653 05833 13859
16103 70352 43956 84933 85391 44473 43485 79837 09384 27697
55515 17496 74955 90711 90008
480 295 31
01873 05246 90022 30036 18683 69500 09857 09812 59565 78749
54402 94656 47394 01051 07382 95339 71828 38777 26048 00057
58495 18287 08271 03602 83585 06634 94874 12803 69790 35032
05665

S06c

12143 kHz, 22-05, 1022 UTC	11222 (R7m40s)
12143 kHz, 22-05, 1035 UTC	11222 (R4m)
10717 kHz, 22-05, 1045 UTC	11222 (R4m)

S11a

5149 kHz, 03-05/04-05, 0830 UTC

370/40 Vnimanije
93305 77592 08499 73896 47868 47402 15279 11850 81936 18268
44519 92079 19115 92558 51735 06681 99119 85856 34183 93631
64169 02893 43338 48366 98640 80641 74756 34704 32310 70745
74721 91264 02933 14078 44561 68704 27010 42628 65306 24437
Vnimanije (message repeated) Konets

9339 kHz, 05-05/08-05, 0700 UTC

471/39 Vnimanije
75683 98117 82554 46338 35119 00525 24267 12773 13655 41412
48117 91431 16139 15580 98018 07505 88094 82400 02972 63679
77141 64846 48025 14706 18695 62350 71191 29418 36176 09561
54748 36195 96108 52244 98524 88137 96390 68638 31541
Vnimanije (message repeated) Konets

9448 kHz, 13-05/16-05, 1400 UTC

420/38 Vnimanije
42987 30053 83886 18375 83613 29492 57834 81894 16038 67329
95179 46623 58454 15186 38256 28846 70934 18733 64115 48566
11322 01618 04619 30851 00846 30393 63287 61548 95760 03503
14326 91733 95701 39143 03420 12543 19705 01128
Vnimanije (message repeated) Konets

6814 kHz, 19-05/23-05, 0915 UTC

481/37 Vnimanije
86187 16113 53849 94250 99432 60264 96154 87164 58323 21016
24162 19280 25021 42068 62148 49894 66936 04799 94952 75121
36594 76101 43091 01790 94396 07415 99990 36269 03402 43427
70200 04202 43943 18756 74603 39962 09463
Vnimanije (message repeated) Out

18773 kHz, 21-04/23-05, 0725 UTC

381/32 Vnimanije
85477 03290 46806 51969 86415 35571 43209 53299 93055 73147
18875 73072 04219 93930 17433 71134 53460 00107 33743 04629
85106 36635 40425 39831 17100 22416 38768 35115 26037 86842
24622 32655
Vnimanije (message repeated) Konets

16357 kHz, 28-05, 0510UTC

659/39 Vnmaniye

53945 81378 77069 24942 25927 84374 15624 93160 48082 34451
10461 19588 35210 72183 65440 33167 74162 83090 09650 29204
58360 12592 37567 42155 46608 91847 65358 06346 62518 28210
99439 34927 43851 14072 59476 01080 51980 62455 00167

Vnmaniye (message repeated) Konets

V07**14469/13369/12169 kHz, 04-05, 0700/0720/0740 UTC**

431 431 431 1 9099 59 9099 59

10166 31005 21191 76457 96574 88103 33166 34185 11717 34846
94412 91446 10650 19908 43653 54606 92171 31600 97358 50328
64459 18523 25202 82905 38062 70811 62803 31985 82777 53868
57743 69638 80004 39876 57031 54503 61869 42344 41932 98067
86401 71754 14570 82904 13928 03896 29574 29964 09895 91352
59157 64156 33928 46947 45651 12279 26209 85017 83145 000 000

14469/13369/12169 kHz, 11-05, 0700/0720/0740 UTC

431 431 431 1 2957 102 102

80170 47463 63686 77379 64724 07346 39938 13194 15355 82998
62125 58987 67665 08934 35463 56265 31216 68388 74677 46208
03831 29943 34683 40431 89884 40081 11590 57745 57800 37075
27502 07625 27739 35776 98899 06841 76016 53617 70893 46551
44316 04089 32777 21034 45918 54974 43697 59439 85277 08812
56760 59582 47736 32164 59138 16190 40361 62814 46456 75166
77354 20969 15109 40306 58812 78040 64305 08837 58359 48885
31102 61246 62767 07215 28169 04025 32142 33161 72489 13700
57648 56261 22073 32685 90925 50651 48986 74377 79023 20190
49549 24482 65685 67159 15706 02588 13301 57453 58894 05904
13261 33769 000 000

14469/13369/12169 kHz, 18-05, 0700/0720/0740 UTC

431 431 431 1 5634 41 5634 41

85993 59079 85025 06512 37103 64222 24923 83591 77048 74348
72899 20184 51210 76054 48260 81162 86634 91800 99453 02794
51382 50301 67234 57002 52262 84110 71180 14132 99522 64389
84135 79940 33316 84714 06722 45480 46753 93175 49743 39465
45313 000 000

**14469/13369/12169 kHz, 25-05, 0700/0720/0740 UTC**

431 431 431 1 3313 113 3313 113

92509 62425 52171 29561 78267 77721 30293 07962 77579 51949
64011 95288 31487 65398 66907 13514 99130 38422 97230 07328
03798 46058 03519 81262 57704 70987 95102 50101 45958 36643
31803 95131 17232 27561 39186 79214 45442 42827 71252 09995
45391 51362 68876 05243 81095 67497 53054 87489 73234 22284
50340 26667 83160 16540 52693 44565 59429 05690 78895 54762
43275 82877 15309 80404 65752 80256 32443 95159 77271 97481
85966 30939 15688 60480 10512 17892 20032 38054 56392 25854
20217 37837 37459 37637 91881 60537 18546 52932 66881 21967
46889 03296 72093 45876 29623 77731 92559 12482 11089 86455
19185 15546 94732 85014 35514 52292 28900 90801 28023 08403
00458 63847 61909 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

V13 designators

- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analog voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

V13a: 19052 kHz, 01-05, 0100 UTC, AM. New Star Broadcasting. Station 1

Unit IDs: 7130, 7153, 7300, 7436

Group Counts: 40, 41, 46, 49

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817
1491 8742 2872 7726 9763 4924 8878 8271 0202 1410

5007 0216 5928 0096 7744 6505 7704 7080 5574 2060
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722
4952 8815 5099 5732 9530 6847 3386 0076 7052 9888
7739 7494 1976 1436 9135 7841 5892 8646 6893 2878
0936

2799 8770 1612 2731 5436 9606 1743 1570 2680 1774
5767 4981 2851 1559 6097 7396 7463 0803 0763 0597
1065 7954 8058 3815 6119 4367 7407 4938 3412 8187
8169 1413 0934 0671 0602 1938 6728 2274 5702 2544
3658 8370 3145 3148 6563 6921

3186 4786 2964 7666 7404 5519 7235 4116 5420 5957
8804 6688 1123 4716 4036 1147 0538 5485 6733 0807
9216 8386 6813 9269 2772 7008 7344 4999 6637 1582
2299 9464 3648 1266 9868 3062 0544 1019 8666 5543
6970 1006 6687 0165 3098 9042 5351 3270 4423

15890 kHz, 05-05, 0000 UTC, USB. New Star Broadcasting. Station 3

Unit IDs: 0522, 1398, 4417

Group Counts: 32, 34, 34

6333 6399 7940 7933 1972 8683 2378 2448 3991 0432
8688 9535 0473 3442 6926 3629 9586 9270 1918 8040
5504 2042 1371 8256 6185 2216 0932 4214 2208 7878
8532 7423

8137 8202 0193 1149 8963 3950 1215 9010 9988 9577
1118 9161 1879 8346 5519 2629 6961 5235 2700 2424
6029 5362 4484 8972 8926 1127 5788 7078 7640 8100
9385 1506 7846 2232

7969 4478 2578 3172 4733 8216 7827 4300 1288 9612
4613 9122 0118 5921 8958 7481 2973 2114 9338 5304
4075 5727 9100 1032 1868 5998 4719 7943 5400 1974
4627 9507 0118 0648

20025 kHz, 05-05, 0100 UTC, USB. New Star Broadcasting. Station 4

Unit IDs: 0142, 3342, 5358

Group Counts: 33, 30, 34

0567 5717 4568 9035 3815 4505 9376 6890 0322 4730
2024 5686 3836 9522 4034 9586 1731 6309 4139 9535

7579 1455 2668 5076 9157 5263 1858 2996 5152 3316
3574 4806 1862

0434 9887 0367 3420 1200 8568 5791 3263 7778 3400
1436 4609 1020 8765 4497 7891 6468 3633 2030 2667
9197 4841 8284 5826 2140 8472 5632 4509 9895 8633

7314 2080 9965 5210 4095 3735 8858 2687 7861 9680
1363 0420 7372 0698 8097 9040 7561 9050 6978 0635
8633 0005 9709 7301 5002 1986 9389 8454 6147 3319
2260 5274 9938 3797

Note: appears to no longer target the Philippines. It's barely audible there, but very loud from Western Australia. Does the NSB have some kind of intelligence or security goal in Australia? (FSpy)

V13a: 19052 kHz, 07-05, 0100 UTC, AM. New Star Broadcasting. Station 1

Unit IDs: 7658, 7666, 7802, 7999, 8138, 8191

Group Counts: 20, 28, 25, 29, 28, 27

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976

7179 3066 1626 3294 4659 2466 8255 2790 4817 1491
8742 2872 7726 9763 4924 8878 8271 0202 1410 1434
5007 0216 5928 0096 7744 6505 7704 7080

2060 6810 5927 9553 6439 9982 2437 6760 2956 0858
7722 4952 8815 5099 5732 9530 6847 3386 0076 7052
9888 7739 7494 1976 1436

7841 5892 8646 6893 2878 0936 6288 2799 8770 1612
2731 5436 9606 1743 1570 2680 1774 5767 4981 2851
1559 6097 7396 7463 0803 0763 0597 1065 7954

3815 6119 4367 7407 4938 3412 8187 8169 1413 0934
0671 0602 1938 6728 2274 5702 2544 3658 8370 3145
3148 6563 6921 9029 3186 4786 2964 7666

5519 7235 4116 5420 5957 8804 6688 1123 4716 4036
1147 0538 5485 6733 0807 9216 2326 6813 9269 2772
7008 7344 4999 6637 1582 2299 9464

Note, 7 May: no station 3 transmissions, carrier only. No station 2 transmissions, carrier only. However, carriers are up on 19052 (even though V13a has finished transmitting for today) and 13974 as of 2z. I wonder if this is just a fluke/accident, or if they're preparing to switch frequencies for some of their stations. It has happened before. (FSpy)

8169 kHz, 08-05, 0200 UTC, USB. New Star Broadcasting. Station 1

Unit IDs: 4002, 7117, 8504

Group Counts: 31, 30, 31

1167 7004 4457 6076 3688 4305 2963 8646 0904 0037
9320 6707 6976 3446 1924 0585 9455 0530 0251 4186
1756 2291 9828 8749 7876 3519 1983 2224 9659 9578
8136

2743 0678 7190 8477 0354 5347 1941 0747 1885 6464
5654 5432 5266 1417 2996 2172 6454 5070 1206 6196
4951 0234 3805 5304 4197 5671 4416 3981 4278 0761

2309 5074 4984 6816 4373 1160 8087 8413 5999 3213
1391 3318 2436 3405 9519 7880 1603 8842 4984 9567
7302 7369 2668 3128 5306 7910 1130 7846 3266 4418
9638

Note, 12 May: No station 2 or 3 transmissions, carrier only.

20025 kHz, 16-05, 0130 UTC, USB. New Star Broadcasting. Station 4

Unit IDs: 4133, 4163, 8281

Group Counts: 33, 33, 31

4878 5793 1216 6752 1645 1947 4423 7953 0678 3113
8105 1788 3833 2454 6484 9117 2619 3563 2780 7863
6001 4688 5101 2941 7571 5906 2389 0332 9603 4237
2704 8938 7795

9271 6973 5048 8241 0532 7738 2626 2738 4522 8367
6094 2142 5850 1649 3798 1365 4190 7252 3672 8995
5855 2261 9103 6241 9827 1898 4806 9656 6912 1915
7947 7331 5442

3892 7995 3681 9087 9804 7519 4047 7827 0914 7745
0085 5568 6267 7167 9639 8082 0387 5636 0783 2363
4544 4917 7006 5913 5619 8118 4506 6060 7690 8638
9794

20025 kHz, 19-05, 0130 UTC, USB. New Star Broadcasting. Station 4

Unit IDs: 2139, 2421, 3221

Group Counts: 30, 31, 31

6757 8326 5376 6485 8748 1858 5729 7337 7694 9278
3161 6112 9075 5093 3430 7676 0211 2845 1258 2494
4691 6870 8220 2576 3132 3523 9617 5348 0804 3170

9991 4077 4415 9781 3201 4930 9704 3292 0087 4046
3457 7783 5151 0479 9974 0491 5059 6351 4119 9030
8001 8348 0561 2351 4511 0647 6479 7135 8959 4070
5135

5317 9902 2547 7250 6732 7547 2291 2838 9493 6670
5943 2782 7624 1645 3235 5896 3217 3414 2608 4604
8479 4381 6081 8317 8050 2831 1822 4194 3853 9381
9751

8169 kHz, 20-05, 0153 UTC, USB. New Star Broadcasting. Station 1

Unit IDs: 6602, 6822, 5675

Group Counts: 32, 35, 32

1454 5831 1708 2974 0530 3167 9386 6128 3574 4472
8651 9742 4034 7073 8800 4320 3532 4214 6873 8166
8102 7731 0214 7484 0850 0835 5890 7501 0025 7541
3779 8941
5890

2993 2702 3135 2147 0956 7265 2856 5924 3752 4782
5004 1213 3221 8200 9773 4291 2187 0697 5778 2500
8523 4143 5189 5618 3728 1733 1065 2550 0602 9503
2536 5779 8152 1614 7435

6422 2033 0118 7067 2235 3914 3952 5149 9111 0991
2306 9160 4194 0471 7685 8040 2063 1310 3062 5984
2628 5969 0018 0669 2484 9862 6736 9425 2490 9115
1013 2040

Note: instead of five minutes late, it's seven minutes early today! This is very weird! At 7:56 PM (2:56 GMT) it forgot to rekey to 11430 and started broadcasting early again on 8169. (FSpy)

15890 kHz, 21-05, 0000 UTC, USB. New Star Broadcasting. Station 3

Unit IDs: 2696, 2874, 3965

Group Counts: 32, 31, 34

5864 9314 9930 3531 7244 6163 5022 4541 9715 7963
6345 6264 3500 0530 7128 7405 3090 1936 5298 9462
8351 3394 4598 8459 6467 0480 6292 2022 2065 2302
2159 5240

4911 4555 4910 8900 2152 5856 3846 6340 6152 2551
6671 7766 1426 8353 0345 5490 0637 4318 0811 2313
8810 1562 1103 6719 9992 5791 0142 0256 5862 8490
9897

2257 0969 3730 4047 2803 6329 2211 2007 9774 0829
7323 2884 8246 9275 7378 1023 5199 8514 8446 0917
1730 6987 9229 9313 5561 4742 3571 2896 7709 3787
4933 0824 0718 8385

Note: back up after more than a week of silence.

V13a: 19052 kHz, 21-05, 0100 UTC, AM. New Star Broadcasting. Station 1

Unit IDs: 0419, 0506, 1193, 1842, 2081, 2196, 2220

Group Counts: 10, 14, 14, 11, 15, 10, 16

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820

0705 8407 0597 2932 9171 3678 7745 3278 6976 8440
7179 3066 1626 3294

2466 8255 2790 4817 1491 8742 2872 7726 9763 4924
8878 8271 3082 1410

5007 0216 5928 8896 7744 6505 7704 7080 5574 2060
6810

9553 6439 9982 2437 6760 2956 0858 7722 4952 8815
5099 5732 9530 6847 3386

7052 9888 7739 7494 1976 1436 9135 7841 5892 8646

2878 0936 6288 2799 8770 1612 2831 5436 9606 1743
1570 2680 1774 5767 4981 2851

9276 kHz, 23-05, 0330 UTC, USB. New Star Broadcasting. Station 2

Unit IDs: 2728, 9764, 9865

Group Counts: 31, 34, 32

4544 5652 0533 5408 3015 9449 9324 8387 6541 2818
5502 5752 7103 3188 5087 0472 6272 5786 4739 3388
5831 7675 8982 6868 0875 2506 5250 8529 6193 7664
0039

7991 1202 2537 5579 9760 2073 5573 7351 4857 2157
9800 9289 1017 2443 7017 9226 8961 4060 1458 4227
3759 5179 1572 9863 9522 0365 2146 7358 7736 0514
5131 6748 0475 0307

4342 1400 3366 4927 8285 0332 3561 0793 2641 5721
0025 9862 9668 9504 0876 7261 2663 7678 5781 3647
3099 5789 6889 4927 2602 0212 7432 5531 1700 7113
7345 8954

20025 kHz, 25-05, 0100 UTC, USB. New Star Broadcasting. Station 4

Unit IDs: 3428, 5572, 9774

Group Counts: 35, 30, 30

0476 4328 1071 7341 3412 2282 9374 1253 2486 2177
9266 9978 9781 7284 0857 7897 8178 9822 4745 6788
1092 9376 6239 3924 2453 0604 7528 8589 1171 8415
6805 5426 6270 0206 4854

7249 6831 5951 9009 8558 2979 4180 8893 2670 4817
1202 9481 2498 0472 2273 3722 3858 5320 5648 7238
6334 0023 0908 4526 3306 4021 4943 9000 4035 5574

8223 1894 7053 3620 7257 3260 9196 9077 1854 8675
1053 0172 2816 6532 1434 5107 0683 1811 3376 2863
3694 7697 0040 8486 2402 7818 4383 7210 4898 5104

18040 kHz, 25-05, 0130 UTC, USB. New Star Broadcasting. Station 3

Unit IDs: 2606, 2877, 3854

Group Counts: 32, 34, 33

4317 0101 2847 9920 7841 1273 7376 1002 1983 5667
5867 7626 0827 3892 6623 5328 6223 7065 0768 9826
7206 5690 3201 7079 2748 0254 2158 8256 7451 6902
9346 3626

6157 8255 5283 0485 6756 1536 6276 2514 3578 6890
1694 0469 0129 1447 5009 4501 1007 1185 6552 4377
4140 1218 6268 3340 8641 5263 5014 5353 4560 3343
7158 2595 1230 5742

8112 7444 4317 5933 8633 3200 4888 8057 1629 1130
0070 5721 0320 4788 4099 3541 3213 4451 6546 9932
1964 8589 6718 4841 5415 1606 5104 1015 5475 8069
0490 5780 2301

Note: abruptly cut off during the outro. Before it could start saying "the following transmission has finished, thank you for listening..." It rapidly went silent and the carrier disappeared. Station 4's carrier also immediately disappeared after the end of the message, but only after the outro was complete. (FSpy)

8300 kHz, 26-05, 0200 UTC. New Star Broadcasting. Station 2

Unit IDs: 5613, 6593, 8517

Group Counts: 30, 31, 31

3056 4375 9239 6558 9547 2709 6696 8319 8531 4690
6215 1988 0083 5033 3236 3555 7726 3155 4743 5817
8743 5143 8630 1816 9728 8453 3285 0653 0648 4232

9877 1947 8670 8404 9924 0660 4928 1767 8354 9601
9248 6194 4569 4909 7806 4536 1183 2727 0415 4687
7463 6733 1605 5651 0365 3702 1567 6074 3867 9323
8874

0064 2351 5240 9729 8241 0851 4121 9755 2576 3822
3387 3447 9547 1529 6851 7507 9037 0812 0319 0714
2421 0553 1018 8493 1497 5176 0320 3621 6304 5316
4680

Note: loud humming on both sides of the carrier before the transmission started. For a second I thought it was gonna be in AM mode because of this. (FSpy)

8169 kHz, 26-05, 0230 UTC, USB. New Star Broadcasting. Station 1

Unit IDs: 0430, 0483, 1349

Group Counts: 32, 30, 34

5765 1789 8823 2948 0873 7760 7377 1981 4768 5451
7113 5891 4048 7119 2489 8233 8804 8178 4237 5694
3349 2228 4655 8535 6399 7216 1531 6408 0518 4100
0524 9611

9869 3527 0059 2266 8639 8258 9508 5064 3548 0219
2275 4611 7090 4878 5604 1706 8172 5596 2499 7874
3654 1787 8044 3616 1742 2193 0819 5227 4498 9292

4738 9379 5998 4131 6596 2033 7001 8180 9254 9858
0265 2606 0657 1227 9953 3655 3120 1297 9378 5546
5287 0723 6849 0203 2051 3252 9452 5432 1139 5313
1294 1474 8183 7017

Note: humming noise on the lower side band, even after the transmission itself finished.

V28 - 앵무새 Aengmusae (Parrot)

5491 kHz, 09-05, 1002 UTC Parrot

5491 kHz, 10-05, 1006 UTC Parrot

MORSE STATIONS

M01

5280 kHz, 01-05, 1800 UTC

025 241 241 30 30 = =
72890 39487 82736 64658 29387 84950 92837 84758 98227 38598
92830 90904 92837 49827 39487 92830 94898 82736 46572 38748
82739 29307 48980 40987 83746 17283 84736 59387 28374 19283
= = 241 241 30 30 000

4903 kHz, 01-05, 2000 UTC

025 930 930 30 30 = =
82736 47828 37489 01928 37465 18273 81726 38475 19203 92873
99273 84756 82736 28378 90901 92873 81790 02909 39847 57554
81729 03948 92837 84759 02938 48273 99409 18273 92874 28374
= = 930 930 30 30 0000

6435 kHz, 03-05, 1500 UTC. The hasty operator was on duty this afternoon. Many errors

025 (also 052 055 022 02250 050 255 525 0202 205) = 543 543 30 30 = =
23412 23143 78960 54364 35263 46375 76585 55402 56633 65447 (56447)
53612 32143 07676 54622 05461 04350 57643 24351 04956 74854 76846
34054444354 46465476 42415 22415
= = 543 543 30 30 000

9736 kHz, 04-05, 0717 UTC

475 206 206 50 50 = =
22382 29472 6884 ... (unreadable)

5280 kHz, 06-05, 1800 UTC

025 309 309 30 30
50590 94383 85956 94383 95431 85499 85943 87860 67670 84312
75924 95829 85092 75843 95033 86953 85943 96053 81953 95833
87965 86954 09185 83905 84735 86938 01954 01859 01954 81900
309 309 30 30 0000

4903 kHz, 06-05, 2000 UTC. 31 groups were sent. Different repeats in red. Two groups were sent twice

025 593 593 30 30
49100 94311 94481 85489 85430 84311 85582 85491 **85582 85491**
85499 88540 **8854** 55915 84305 85449 00493 **004- - - . . - -** 93843 85943 95033 85022
85943 95029 84932 85920 86889 82743 85938 95024 93095 **39095** 85934 82908
593 593 30 30 000

5280 kHz, 08-05, 1800 UTC

025 581 581 30 30 = =
38172 39049 57109 38457 10900 33819 48204 18392 47382 47561
57190 78932 41554 38274 67583 54913 78783 48294 37551 58995
78909 12378 56698 56812 47602 38901 56482 59832 57482 47390
= = 581 581 30 30 000

4903 kHz, 08-05, 2000 UTC

025 101 101 30 30 = =
73827 39043 17263 47901 27394 51902 38018 39012 47381 90805
48190 40984 28781 39095 78912 47290 07891 39027 58920 47365
80937 67814 37561 68501 47389 78960 67394 90083 69512 46533
= = 101 101 30 30 000

4903 kHz, 13-05, 2000 UTC

025 369 369 30 30
59101 84420 94032 85930 05591 67100 94381 86776 84939 81950
85392 71786 84933 75822 75835 75501 85940 84966 83929 85941
86949 85733 75582 76867 00185 85930 85488 75836 82754 82755
369 369 30 30 000

9737 kHz, 11-05, 0728 UTC, i.p.

= = 246 246 50 50 000

5280 kHz, 15-05, 1800 UTC. Repeat error in red

025 465 465 30 30 = =
36584 86948 57894 74893 37594 57489 57389 47386 68403 75849
84976 56389 46238 75894 76945 12859 67489 67385 57385 **57385 57385** 73856
57845 75849 47396 73829 75892 75839 71864 73869 36176 64739
= = 465 465 30 30 000

4903 kHz, 15-05, 2000 UTC. Many errors during the callup and after group 11

025 **00225 052 220** etc 274 274 30 30 = =
48481 59017 50991 46382 60948 60912 57493 50901 47729 57483
68391 **58391** 38401 67749 30092 68906 34571 49027 58491 23091 68907
47509 **4750970912124783 47308052 8952** 47294 **4729** 50193
48105474 8382 475847358 59104 40
= = 274 274 30 30 000

6435 kHz, 17-05, 1459 UTC

025 806 806 30 30 = =
82930 02938 29387 84756 27384 82938 94876 47587 27364 17263
82930 92837 48576 28374 91090 29387 38476 28374 28736 47589
82739 10298 38746 37465 18276 37468 29387 47653 84756 12873
= = 806 806 30 30 000

6780 kHz, 18-05, 0700 UTC

025 512 512 30 30
73847 28374 62536 47587 27364 72898 38476 27364 72635 28379
72839 87387 84909 29387 84764 82736 48726 19209 03904 19287
92837 82739 10920 39487 27489 20398 98498 19202 19287 83938
512 512 30 30 30 000

5280 kHz, 20-05, 1800 UTC. Wrong groups in red

025 891 891 30 30 = =
 78392 20817 58392 48371 30986 58372 49027 68943 09183 48501
 48291 30980 48573 90985 48173 48902 48753 58930 57391 48904
 58291 48903 58903 58902 **5890** 48900 **4989371** 89371 48502 **48504904** 47904 58103 89043
 = = 891 891 30 30 000

4903 kHz, 20-05, 2000 UTC

025 378 378 30 30 = =
 56748 18594 57382 48901 38495 38901 47382 48574 54710 78904
 79003 28910 38001 37492 57490 57392 38495 67594 48390 47228
 48390 38928 47392 47847 57483 57489 57484 37194 56473 47890
 = = 378 378 30 30 000

5280 kHz, 22-05, 1800 UTC

025 564 564 30 30
 25830 67402 77392 74921 84753 90321 89331 90342 87421 78432
 82330 74302 71845 08345 92474 90014 84023 84691 09321 94561
 89244 77193 89024 89021 75021 78401 78420 80321 00482 94821
 564 564 30 30 000

4903 kHz, 22-05, 2000 UTC

025 725 725 30 30
 12034 09843 23475 87431 27463 98235 09834 56473 87463 83745
 12930 92843 92743 87364 82746 83756 74637 73627 82746 84735
 27364 87341 83743 57463 98375 73643 73654 83743 38475 73643
 725 725 30 30 000

6435 kHz, 24-05, 1500 UTC, Different repeat in red

025 609 609 30 30 = =
 89893 50018 48392 69089 78431 50983 23417 58945 **57948** 57675 49037
 76748 49982 17623 47583 12340 09321 57739 89760 57422 89760
 68903 22412 47883 59055 78300 57987 58956 89231 48903 58833
 = = 690 690 30 30 000

24 May

Strange operations that weekend, with some alterations from the normal format both times: extraneous "=" separators, header fields repeated together E07-style instead of individually, or randomly just not repeated, and the Saturday TX even used long zeroes in the outro! (PY)

9736 kHz 24-05, 0720 UTC, i.p.

79217 = 177 50 = 000 long zeroes in outro

9736 kHz, 25-05, 0715 YTC

475 = = 177 50 177 50 =
 22497 16804 39976 98354 42635 42636 06208 13301 14673 82308
 90509 65438 50635 25033 73444 26282 46638 91754 10410 82505
 23747 26831 61434 76066 78640 79114 57781 48459 63766 20214
 99703 65162 05367 55405 02907 22263 23586 03977 55002 23418
 80768 63457 70303 27453 23730 49938 88530 48411 46763 79217
 = = 177 50 177 50 = 000

5280 kHz, 27-05, 1800 UTC

025 821 821 30 30 = =
 27364 72634 25374 26374 23642 27364 82734 55236 67234 26354
 26354 62534 62547 62534 97823 98283 92837 26354 72635 16253
 09320 726_5 56352 87264 77263 27304 82736 09273 29384 93483
 821 821 30 30 000

5280 kHz, 29-05, 1800 UTC

025 721 721 30 30 = =
15267 64738 74657 ... (poor signal)
= = 721 721 30 30 000

4903 kHz, 27-05, 2000 UTC. Only 29 groups were sent

025 154 154 30 30 = =
17283 74637 28374 74837 73627 64724 74637 83746 93847 74637
26374 64736 64738 64738 48372 46736 54637 54637 62735
53647 75647 93847 75849 74657 46374 64758 65748 26473
154 154 30 30 000

4903 kHz, 29-05, 2000 UTC

025 134 134 30 30 = =
26374 56478 47584 47583 57485 57465 65748 57483 75848 84765
26374 64738 75847 74839 75?49 94857 75848 98474 74834 74837
16273 64736 64736 64783 84736 64736 64338 73645 64536 64736
= = 134 134 30 30 000

6435 kHz, 24-05, 1502 UTC

025 690 690 30 30 = =
87893 50018 48392 69089 78431 50983 23417 589_7 57675 49037
76748 49982 17623 47583 12340 09321 57739 89760 57422 89047
68903 22412 57883 59055 78300 57987 58956 89231 48903 58833
690 690 30 30 000

6435 kHz, 31-05, 1500 UTC

025 212 212 30 30 = =
56745 54756 54673 56564 34012 23045 54631 56743 56865 65432
55475 54675 23415 23412 55443 54632 09809 54573 54671 43521
54363 45361 41 2345 24 5463 5 12341432413 2413 (unreadable)
30 30 000

M12

11435/10598/9327 kHz, 1800/1520/1840 UTC

11435/10598/9327 kHz, 01-05, 1800/1520/1840 UTC

938 938 938 1 2406 82 2406 82
66414 63203 52668 25970 12000 22437 89317 48315 15364 32585
76834 14279 98465 42538 85052 37251 15161 10689 51112 10699
51112 58509 38976 06493 47843 10380 36438 07243 89074 99112
42350 19422 31608 61308 72609 36469 28505 05384 32054 71169
82091 76747 35517 65870 28718 84747 95489 75197 44581 46407
79405 95262 79151 59744 46401 75079 40643 59921 15360 42287
89530 04757 33363 90204 05964 95941 00976 15526 41669 51996
14032 79667 05197 43991 28607 74364 32992 73105 77773 63094
14890 64060 000 000

11435/10598/9327 kHz, 08-05, 1800/1520/1840 UTC

938 938 938 1 1792 80 1792 80
63408 26059 59451 95975 92634 15485 80564 80269 39772 69949
66654 56525 63826 67765 66328 39629 39629 99609 61652 61636
69894 46553 82601 74795 14492 05091 75328 42039 34943 26280
52180 53295 46829 25014 85708 33945 33941 11072 66097 48570
33815 37035 54044 98493 33749 47795 68256 44844 59683 36511
78044 21093 73434 66019 83334 16855 43456 84655 81483 87543
40156 38525 45Y25 13492 17769 13358 09696 38812 82055 32382
05687 72169 33511 13082 27821 32859 92507 84106 41045 66696
000 000

11435/10598/9327 kHz, 15-05, 1800/1520/1840 UTC

938 938 938 1 7161 81 7161 81
53364 88046 03083 59334 77999 94436 82044 21004 64619 42639
96116 68764 18277 03563 36616 39333 95326 08458 91452 20485
36675 36183 11763 19969 72983 52710 93296 83102 36429 90498
00160 70856 36668 71645 37097 46370 63399 33864 05825 98599
45838 21171 37391 56234 57103 11436 67102 06258 25678 42276
05608 71520 82760 42813 31748 37180 76382 93112 86359 25089
01140 98940 84974 74121 42478 25260 22085 36630 65864 90205
75932 61462 02632 92852 74645 15604 78791 55417 62865 60547
85607 000 000

11435/10598/9327 kHz, 22-05, 1800/1520/1840 UTC

938 938 938 1 4285 76 4285 76
49256 04855 98979 58715 63154 95439 23243 88459 87008 58100
42242 60489 37046 83725 75217 62729 77405 09198 53995 49036
95618 17607 57397 47595 00778 25399 11551 88277 67039 46773
29362 35271 23747 45257 66145 79062 65312 45268 10079 55142
56264 42307 46084 22078 67265 65262 17056 60838 26419 06013
10964 57647 89407 08431 40960 31649 47456 51383 66936 37754
83888 34964 21420 40234 28737 06971 36741 91788 17570 96154
97416 32137 99117 98852 92770 53311 000 000

11435/10598/9327 kHz, 29-05, 1800/1520/1840 UTC

938 988 938 1 3264 74 3264 74
20503 71383 12197 66050 12128 10782 04466 31144 80182 39752
16008 69181 97967 60119 67633 24741 37129 48268 28413 62790
46243 32808 09179 44582 52797 49673 78965 88186 35022 16263
40325 66211 63898 41262 89931 97489 94865 98531 99643 29420
66035 74621 54188 79259 86845 29586 97667 72053 26141 33591
36498 52680 79508 15890 55719 11849 11323 26801 59599 16377
33161 22594 69433 14880 39866 72539 52108 27849 88035 29874
38596 48623 88992 96754 000 000

13926/13426/11526 kHz, 2000/2020/2040 UTC
--

13926/13426/11526 kHz, 01-05, 2000/2020/2040 UTC

573 573 573 1 487 43 587 43
31051 77777 07407 24894 91424 25236 33251 89179 79702 42101
90686 26127 30806 89013 70644 08022 65055 38591 38310 94314
24502 69065 99930 07222 47010 58225 74778 29211 77848 98400
91740 37751 94225 94110 19027 66163 81629 95229 10070 16754
68036 49457 72552 000 000

13926/13426/11526 kHz, 19-05/22-05/26-05/29-05, 2000/2020/2040 UTC

573 573 573 1 3295 207 3295 207
05901 04394 80682 57811 55808 87849 74397 56635 84008 21837
58504 03574 22976 55148 52114 80742 31419 58417 69366 24505
46865 04693 99613 68314 50678 83099 15188 33955 80095 50141
74087 60555 07716 66372 09338 81826 16179 96670 52385 45759
76728 89732 29979 30229 46646 76215 79172 56888 65628 75631
79745 80967 99588 58310 80531 42310 13647 60083 86214 27226
84523 24128 98978 87016 82293 69160 18814 36478 74413 46351
79682 16474 74274 54104 57662 90816 85331 76042 18467 64583
12207 26064 99903 02848 84574 66043 71501 53805 72078 13953
56952 11847 30833 08352 55799 50121 77444 01699 37902 41510
80471 38375 16402 84877 65649 65783 89113 81632 80689 16929
06862 03740 24024 14993 96354 50713 76769 22324 35937 17644
17284 41974 04811 15117 08926 03580 31543 76731 43251 86973
76152 37723 68963 42595 88141 09278 26648 03912 82607 99013
65882 16613 96284 60607 16013 87401 44696 14548 89536 17573
32741 72330 34905 66468 77978 77501 94959 20918 52770 26655
34569 64604 11967 90452 40265 42641 48967 76926 74838 03451

71782 82117 82157 04830 15941 35561 42652 09918 21261 45731
45259 81950 99198 73527 01065 52266 46139 96716 69781 10815
73303 34621 12940 67585 45012 06348 99329 56561 27833 07155
82158 89590 22164 17582 89227 66955 93970 000 000

13961/12201/10597 kHz, 0800/0820/0840 UTC

13961/12201/10597 kHz, 02-05, 0800/0820/0840 UTC

925 925 925 1 5373 127 5373 127
75052 89612 90650 77022 87641 54656 06931 75411 30414 75868
17651 38702 25317 61379 69733 20417 99012 68974 19059 97693
12481 59808 37195 88663 36705 75258 11879 58413 10078 96234
35074 35854 76161 45165 84467 51980 83597 06718 37876 72307
90112 69556 37212 04729 27260 51272 05304 77542 60897 99734
13003 08345 49656 77947 93099 91164 49566 91790 77306 93098
52012 26625 87515 48549 04455 75431 43485 12201 81389 50538
74975 56515 50321 17449 57642 52259 24399 05300 01546 57887
45103 66106 79832 92040 17074 54863 92312 83658 13607 00029
40569 65239 82555 26545 11825 85523 36486 26288 77062 21548
67171 25724 52673 40222 99842 02698 52069 01876 40436 03103
79261 22481 59262 27832 83427 11528 08040 25126 68599 79973
73318 89394 29089 58652 17628 48285 57010 000 000

13961/12201/10597 kHz, 05-05/09-05, 0800/0820/0840 UTC

925 925 925 1 4754 119 4754 119
63248 78105 71000 09700 26645 78013 99510 07368 64619 28446
65696 08952 70267 19260 22082 95808 05581 73591 45397 09090
28710 63031 04684 20713 48142 67255 10218 06538 44492 69376
53031 51016 63095 39327 55088 22569 08141 02747 91602 72320
59829 66972 96508 05598 40700 03839 38052 85173 32955 75326
70084 65817 65802 42398 78220 00267 58683 27784 44801 41635
43891 24418 39167 47530 22316 90391 02339 73641 43882 57842
32792 59485 72482 47161 70277 37696 06956 28158 19568 55027
24008 09843 56796 02031 62511 74653 39703 21488 86776 58202
27304 11647 14245 89986 28751 95422 19682 11861 21591 83189
13786 40510 03301 62289 38387 18905 41721 39624 20280 32624
29201 60886 91126 41408 74735 06910 08892 19804 43420 000 000

13961/12201/10597 kHz, 12-05/16-05, 0800/0820/0840 UTC

925 925 925 1 3060 153 3060 153
94818 32326 73450 42253 04827 53198 25098 44857 09876 82457
96011 24650 75779 13857 14562 04781 73053 91013 29237 56471
14170 81291 10860 44943 67256 73246 91599 23437 40999 16305
44971 94387 16584 69162 37211 73088 74787 69141 82441 36513
95518 61060 33458 00766 95053 34318 07147 46632 82223 29930
19194 47772 85378 39499 53997 49634 48748 48068 79629 39372
39654 37873 86657 43435 23615 56849 82665 19448 58705 12713
01107 62811 51155 20517 57667 62742 45499 49988 54068 28429
33171 93126 05023 61965 62072 04367 84708 63200 92541 58562
45999 51278 58199 49283 96170 00812 20159 55577 20794 55355
54282 61397 53746 75068 41104 21261 54690 26953 65328 66874
72503 93605 32117 48124 29608 65624 53663 19929 87445 49063
40235 09150 71090 04680 79471 63823 77108 14378 79442 17826
80768 39794 71518 45413 25361 69374 37846 68998 77314 15206
36342 26117 63108 02137 69464 59934 63011 86997 24908 07018
56279 95347 88444 000 000

13961/12201/10597 kHz, 19-05/23-05, 0800/0820/0840 UTC

925 925 925 1 4501 94 4501 94
77337 60069 48202 87544 94573 69596 23089 78553 00607 47443
18651 28878 75947 80805 26191 40591 40176 95661 57438 48164
33194 56793 80335 68166 49027 77755 82294 62891 38757 02821
44242 32541 59972 97716 49368 62967 06965 02070 20550 01005

06053 16735 51266 69974 88757 83562 95547 15211 03818 67936
33948 42995 44692 68391 14935 18700 78213 04655 77644 64402
81814 26477 31588 61353 05805 24110 15899 06558 77719 18536
62433 95530 84574 45775 61008 24886 72034 46201 84152 67353
35626 54411 05098 54842 45758 69376 09898 64377 59999 92616
81181 79564 81920 08273 000 000

13961/12201/10597 kHz, 26-05, 0800/0820/0840 UTC

925 925 925 1 8980 161 8980 161
76957 84356 40297 20792 63490 11814 38119 38379 68739 00349
21508 68251 07127 83832 11461 63381 01367 00396 87679 10041
13252 70545 29871 33930 38278 54218 11427 17740 18653 26758
45547 11486 26783 06315 32252 02649 86036 51336 87146 89861
13755 73902 64167 78362 52157 99106 60135 33624 88992 07925
42539 02741 51750 75503 63566 71807 90579 20563 17151 14233
82446 83333 70138 47043 23435 21327 34492 54647 50929 24120
37141 20672 64957 72589 00459 67863 17156 81452 54274 97089
66646 80313 12406 25817 16992 04395 23102 51963 03549 32749
77371 72298 55171 50978 50631 23221 53266 51248 56359 32959
16885 09887 08773 19376 43593 74321 56619 03100 98147 53409
60743 24111 48152 39271 51308 56203 58690 07134 51376 55329
16569 79673 90330 97961 26335 88880 43921 92410 05860 21303
81194 64254 41993 19125 71815 54266 73061 19170 42405 27686
26497 06776 56858 37640 80674 09551 46742 66655 20089 04060
93905 000 000

15936/14736/13536 kHz, 1900/1920/1940 UTC

15936/14736/13536 kHz, 02-05, 1900/1920/1940 UTC

975 975 975 1 3360 108 3360 108
69989 55282 95898 96493 42968 50349 84268 34410 43648 98460
13643 41003 21688 91501 21855 98846 03532 44963 16653 34631
43283 71418 29828 72094 51715 52113 36320 80009 72402 80258
71740 63609 03942 86604 53802 50970 40327 94139 97717 65168
04823 80157 91096 81145 50022 94489 65567 81429 13107 26082
40511 33350 29202 04567 65431 79107 04505 91203 90616 74025
32314 97592 88996 48161 56284 64958 20051 46958 55233 77225
46069 30877 82028 28862 59994 71650 90813 76372 12663 35318
63570 69119 66177 65192 45284 45473 77978 99563 53318 23518
40079 35238 44072 51276 82060 82249 48425 77489 45963 97190
16187 00845 36485 15008 68431 10127 68483 95285 000 000

15936/14736/13536 kHz, 21-05/23-05/28-05/30-05, 1900/1920/1940 UTC

975 975 975 1 778 91 778 91
47388 99296 61135 64780 25574 75555 24741 52210 62014 71105
30326 22540 00953 73821 76258 07589 76596 71605 46167 67578
76792 04388 24992 65992 45975 80805 27375 58689 05413 80640
54313 02501 13192 27711 50253 35401 37836 12555 36944 69705
48750 62247 95443 57454 02137 43139 69382 29868 18405 27959
72536 47025 98481 63688 03983 91666 45800 18642 92672 86887
77371 28579 89157 66874 66855 02428 67707 19045 41814 18676
64751 25335 03662 00572 60524 62823 76420 77412 62626 82803
45531 02686 63061 48098 42067 27369 50605 67947 46035 38993
54233 000 000

12162/11566/10711 kHz, Sat, 1900/1920/1940 UTC

12162/11566/10711 kHz, 03-05, 1900/1920/1940 UTC

546 546 546 1 8101 56 8101 56
62132 61612 39045 94292 38581 34590 45636 17029 39749 80459
69387 16413 56292 52085 90176 87064 33323 95819 19277 32476
18696 58967 02328 46764 73465 32807 75229 69450 88631 76999
67055 14501 52882 37077 89547 64311 87962 37931 19829 23495

82644 75707 14331 64251 73109 91489 88746 03400 54545 77808
68911 30606 21354 04871 04733 03165 000 000

12162/11566/10711 kHz, 10-05, 1900/1920/1940 UTC

546 546 546 1 4907 57 4907 57
32333 18955 96859 10412 44166 06918 52275 16868 97419 84672
10630 54367 00861 93888 50476 56125 87235 04553 35569 88572
92190 01191 87471 59228 36001 22377 12538 15845 53491 55880
46939 05477 89878 31244 89337 91731 86367 64388 57416 80493
10022 77987 29880 47114 85590 99659 72988 99098 96229 02057
51308 03313 44477 10714 67627 31142 31482 000 000

12162/11566/10711 kHz, 17-05, 1900/1920/1940 UTC

546 546 546 1 1524 55 1524 55
73078 96292 04870 53496 73437 19454 12691 95406 21796 99578
31058 31129 80220 40014 10269 97842 98590 17084 47773 98373
53792 41883 84143 92258 35383 92635 94691 50072 42414 78450
77072 69618 54144 55321 48316 52235 94132 62105 60893 73263
00226 09683 91986 61753 53142 38963 87511 91767 04228 72347
08405 97506 07238 28947 51957 000 000

12162/11566/10711 kHz, 24-05, 1900/1920/1940 UTC

546 546 546 1 5006 59 5096 59
80837 55765 90667 31769 93514 68475 56009 93426 41650 30907
02939 69961 52300 31150 15279 85799 60606 06546 95943 12230
09086 29986 77507 49641 19155 75782 19277 86623 67586 04269
95100 81045 75461 57936 45619 12790 72427 93390 71107 24105
05865 35405 03370 89718 93773 00258 49453 74083 08302 60249
52784 02790 67458 13572 72422 50851 78257 41026 12614 000 000

12162/11566/10711 kHz, 31-05, 1900/1920/1940 UTC

546 546 546 1 1004 57 1004 57
43047 86450 73049 91408 30058 80785 63536 40478 39259 85451
43068 20118 60785 23783 55598 02465 17438 52049 45120 28472
60028 77485 90060 94501 03240 76701 64154 45816 99599 21572
64278 25889 28676 20402 40176 52816 79412 05478 11928 11625
09642 66232 62874 38277 49083 45199 14116 64911 12747 53660
11231 46767 42771 31264 95425 66461 96389 000 000

12162/11566/10711 kHz, Wed, 1900/1920/1940 UTC
--

12162/11566/10711 kHz, 07-05, 1900/1920/1940 UTC

546 546 546 1 8516 59 8516 59
04640 61477 68070 49857 97066 38698 95758 85177 08633 66211
29840 43794 05456 41047 04845 97096 13473 45037 45145 16080
31540 93540 91403 27052 76902 68379 03177 40230 84684 80559
00521 71072 22670 88369 94180 58985 56460 08243 58210 75893
81098 27441 47483 94886 83976 09939 26415 31581 38917 32203
35619 83830 96484 84548 68317 11099 70072 41018 72953 000 000

12162/11566/10711 kHz, 14-05, 1900/1920/1940 UTC

546 546 546 1 8503 56 8503 56
17639 30016 53774 13525 48249 45591 06243 26917 22438 77250
46240 93122 17604 71336 06661 85137 57599 03554 23827 25730
65145 85845 52404 20237 52408 41325 50850 77105 55570 43596
18154 03503 07973 83008 95053 84708 07165 71764 69888 27631
75194 36175 52013 76446 35948 28645 84587 05548 30887 97945
43813 03448 90488 72403 73644 31793 000 000

12162/11566/10711 kHz, 21-05, 1900/1920/1940 UTC

546 546 546 1 8416 59 8416 59
99963 79345 42869 21509 98195 78400 09435 97152 20577 43436
78993 91946 99283 80007 93743 31736 98619 97802 82911 68692

69011 31733 00983 76412 16529 39200 86059 30614 35295 82791
29119 10198 45942 02169 04041 84805 71991 18019 63445 08136
42972 98474 37133 80569 92638 97547 98205 43279 75224 05218
54623 71268 53079 04444 13406 68229 78362 66455 04980 000 000

12162/11566/10711 kHz, 28-05, 1900/1920/1940 UTC

546 546 546 1 3117 59 3117 59
90369 28636 53973 15065 96101 93300 90319 52493 38584 16981
82531 60855 06775 06536 01835 08567 84740 87273 02415 58130
52975 33235 06570 81538 19239 74354 09929 76192 20477 03213
16189 50361 73871 78063 80292 38901 97971 79949 20688 97301
47406 25086 19678 55889 94085 09731 53280 92037 96021 45434
51281 38524 69118 62194 45455 57134 22066 72444 95825 000 000

14377/13461/12114 kHz, 1230/1250/1310 UTC / 13386/12189/11491 kHz, 1230/1250/1310 UTC

14377/13461/12114 kHz, 05-05, 1230/1250/1310 UTC

317 317 317 1 7703 123 7703 123
03255 45017 45015 52442 84638 49737 79619 81132 26566 05651
92102 89486 25308 22624 13929 13929 51069 38323 79121 57938
27669 25871 65319 81505 51671 62743 30243 63767 28996 01525
82836 57513 55087 46059 27750 40344 53899 20757 60802 34793
94158 37800 68249 10617 32919 67177 69510 25245 36689 81722
40138 18195 54254 73377 26479 84387 37935 63510 93342 89697
54395 85969 50622 79607 43728 48136 37014 43426 97557 82279
60028 30312 77520 44328 63778 89868 57620 54701 48586 84493
93231 04998 27078 47273 61385 64641 03259 81709 19580 43361
02409 90388 27413 71103 80396 08189 87176 88640 66887 84781
30162 26083 27686 54408 21693 09826 40673 09925 09599 36609
26766 83232 14924 08849 96464 49397 58891 03348 18221 79086
44877 55304 23846 54196 000 000

13386/12189/11491 kHz, 12-05, 1230/1250/1310 UTC

725 725 725 1 832 133 8832 133
21550 12628 75788 18225 47828 04574 79189 73076 72117 92501
44542 93276 15524 51181 60842 36686 86898 65046 32605 23976
78912 03938 68801 41530 40190 08882 82991 50877 65302 41711
70606 73535 56228 33906 46355 21430 36094 64023 39384 90317
89404 58571 16500 86863 72305 84648 82434 19966 47050 88843
28796 09566 62333 19342 66671 17611 43825 34257 78033 38946
21582 28311 07774 30405 21894 71006 37048 81617 04825 39412
00591 22874 25662 42286 34571 20340 87437 81936 69224 55540
26446 63025 03826 76458 12915 61040 11202 36885 67233 28744
77604 01837 85988 00437 68735 61092 50797 86093 64969 01298
47600 00817 15140 07638 88251 05921 83903 20047 84770 46330
30173 61887 65031 22493 12500 58555 24484 31314 17490 60852
59804 00162 14383 76080 61806 98753 36885 25224 73549 73477
69542 01343 16967 000 000

13386/12189/11491 kHz, 19-05, 1230/1250/1310 UTC

725 725 725 1 8158 125 8158 125
63799 92082 60404 71364 37898 46301 26892 10866 16998 79867
05774 16251 07743 00855 42287 11443 33570 59317 52094 86102
10910 06278 48209 29180 96600 33203 69058 43737 89142 20039
64178 11398 87760 09138 50437 46165 89308 38832 59790 08719
78540 29023 67099 95118 03213 97137 26779 18852 12785 66304
43530 86501 96148 40284 07596 67521 50073 31223 74763 04695
77241 83153 22723 96958 15688 94375 28489 98603 50417 96121
22133 94736 99525 43374 07562 81886 39177 53089 25967 99461
06423 50205 30952 22837 76508 77676 15248 47476 01542 82914
96090 58084 64068 55095 31476 95385 06299 70139 79430 08837
68648 28175 68434 16662 44170 48792 86974 52773 32722 25708
28344 96982 05256 75301 98270 27036 52201 99884 20450 38010

79126 81011 97060 67501 00030 000 000

13386/12189/11491 kHz, 31-05, 1230/1250/1310 UTC

725 725 725 1 3057 143 3057 143

80088 41817 32198 48595 66084 66829 03465 65856 75025 09526
38882 95980 51855 37140 45752 30313 47426 57663 50310 66102
60071 63981 63146 39406 58013 37313 55855 29785 80428 44664
24651 87341 66342 19721 04446 90308 50511 09121 55977 69806
96012 78682 77346 18161 79187 77131 78664 31590 99418 37576
15987 98773 71816 60868 18163 16107 78669 92791 90580 28771
10973 73679 85427 30361 84874 51539 29637 32133 32694 55443
79800 38305 01685 80503 70088 81388 86634 44985 60217 80881
58647 24265 30365 42851 28676 25876 15524 05474 01557 88337
11638 57719 18539 27205 58832 22333 93254 46984 33285 27647
47494 46530 98894 43975 57774 77681 97088 91312 90779 36774
29472 33683 32573 09699 70122 86707 43314 42575 01684 58997
36015 24162 30575 44355 43804 22080 19765 74479 21670 47755
88133 39649 11700 32570 33386 12117 25369 86389 85075 50994
28787 24210 14693 000 000

14377/13461/12114 kHz, 1330/1350/1410 UTC / 13386/12189/11491 kHz, 1330/1350/1410 UTC

14377/13461/12114 kHz, 05-05, 1330/1350/1410 UTC

317 317 317 1 7770 137 7770 137

08582 80291 79436 24652 48236 86330 40699 69415 56149 56848
40192 59763 47440 10585 75418 72982 35868 03498 92924 41761
92033 36529 21534 13592 21576 68076 17382 49396 34677 17271
92590 70595 80233 16706 55235 11247 34527 41089 70611 16683
11619 22857 73047 71551 03581 71788 57276 42102 11698 41088
99375 74523 22034 28608 66753 72052 58756 65844 03076 80158
68948 91301 34737 38878 64257 69595 79528 30733 55348 64170
38455 94777 32886 76241 30141 69175 63480 49982 10010 49786
10800 75278 37697 93588 17895 18066 48561 51624 49951 83182
52490 68682 38013 90451 47733 20316 88118 34168 07293 33985
92259 26542 86753 47527 02633 04597 41636 45791 98465 97576
08571 08774 55833 53288 69357 93668 53604 41148 20983 46190
21034 27903 80780 72165 11680 69771 56764 42434 28508 09825
81056 29311 42688 76024 57525 84257 88524 000 000

13386/12189/11491 kHz, 12-05, 1330/1350/1410 UTC

725 725 725 1 3761 143 3761 143

89031 54691 16354 75289 97284 77243 03553 21227 08845 32642
26070 87594 54699 37483 52820 28508 71317 95069 93226 44968
64848 74863 15288 47511 16197 67098 02318 15666 40986 41333
78372 46501 95103 43164 87513 27747 28829 64930 08244 14599
67496 79959 87629 60477 14646 31352 05734 84913 33179 40478
13516 43887 58862 46010 65825 14167 39403 68841 59091 30185
74925 87886 80239 67510 54269 79567 92490 11534 49968 25073
99678 06386 86824 78626 77470 84888 87233 54809 32865 84844
61364 17403 82485 00507 27817 34484 87638 49093 77338 73345
88343 59986 05838 78058 39673 79609 99718 20118 06207 35077
38860 94198 34944 08106 40799 07129 57061 80234 68539 80935
26933 84592 35976 74246 68819 57521 05401 79731 39693 19785
91927 43396 34195 76622 36728 39691 00547 08766 38952 97860
85168 67114 48602 97786 45983 67164 82457 74378 59706 20687
77422 07403 80552 000 000

13386/12189/11491 kHz, 19-05, 1330/1350/1410 UTC

725 725 725 1 7068 135 7068 135

08575 02864 10720 78271 73312 30063 68774 97826 21846 16772
45587 90681 73768 28417 91551 47741 34068 28902 01040 75844
83343 46113 89506 58014 36418 13849 53621 38249 41097 70695
74886 09692 25282 41489 70273 10011 64993 09287 18938 83399

71655 54697 17637 74040 85315 69597 23651 00164 13794 20736
18285 17623 24163 73160 67744 62461 13356 52705 41852 59462
76441 30524 56729 51150 41885 35894 65399 32279 58142 81539
82747 24780 09963 17639 04188 28645 28476 15466 72697 66820
90196 53456 24455 20360 52409 56962 85528 52120 73744 07812
96654 12287 67433 59474 06958 41130 97967 66485 32154 49420
04197 91371 42020 32253 37988 93503 07960 06523 68971 39098
33985 97889 80006 75031 69265 22984 06069 36368 98739 84921
50365 13278 58534 50330 84884 70458 57345 50488 10681 63056
30677 61989 83310 23277 62622 000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 06-05/09-05, 1100/1120/1140 UTC

289 289 289 1 1653 55 1653 55
81336 71596 12763 90881 48944 63329 53063 83003 96270 80735
10887 17340 53466 13626 56383 63540 43688 67223 08759 92287
26603 65653 33853 29451 18888 25787 21225 23745 68415 64282
34032 41948 25276 81190 86103 92758 16450 86710 45400 95614
73979 21514 70022 72177 50202 77615 76221 60661 22384 32379
60704 15507 12708 08820 80515 000 000

11519/12194/13407 kHz, 13-05, 1100/1120/1140 UTC

289 289 289 1 9089 63 9089 63
07523 96490 65630 96588 74954 61758 83639 40257 32500 99134
61995 83293 16231 35564 36781 91587 60112 63346 48484 67850
28176 51506 18209 17240 76540 41532 25572 19502 65217 64228
07921 28410 06395 82210 42319 10969 56990 79280 27979 90633
63844 99864 88650 44217 95649 17445 54288 85963 40049 58098
58076 52230 60738 22357 52894 56016 78281 48389 20047 33422
36185 64136 75039 000 000

11519/12194/13407 kHz, 20-05, 1100/1120/1140 UTC

289 289 289 1 8814 55 8814 55
16663 79442 31979 41609 86866 63291 19315 35424 24292 66586
94622 16906 51421 32554 48645 24428 55743 81353 32636 33555
23117 89724 37701 20388 45983 29788 44505 54037 55305 45613
09302 95187 97516 30001 97223 95336 81714 33023 21060 11151
24686 35724 56361 56000 66995 06966 59786 99445 76122 33043
51304 98289 71684 90957 83219 000 000

11519/12194/13407 kHz, 27-05, 1100/1120/1140 UTC

289 289 289 1 4824 58 4824 58
93908 31199 53__ 8 83737 92437 17257 43710 33459 05420 02567
__ 90 92537 15089 95404 59375 26894 82061 15300 61700 96756
32931 03026 22793 03097 92130 45962 61369 17526 90860 55292
73136 40039 02834 33626 65458 18661 18303 24990 40848 96286
51565 04545 17481 38000 2183_ 84001 33565 821__ 0537 53932
18075 30762 90420 69363 45491 90982 84__ 945_ 000 000

15892/14892/13992 kHz, 2310/2330/2350 UTC

15892/14892/13992 kHz, 25-05, 2310/2330/2350 UTC

889 889 889 365 64 365 64
98174 44798 78004 36974 00870 31262 87796 79887 46284 85488
91594 50434 23291 32402 31747 55932 12283 43282 42648 93003
40674 70614 75808 55420 54827 23185 39604 22666 70783 15695
87545 04310 78017 67626 35581 19401 27859 24002 52056 23592
72460 00493 18268 74442 35337 74032 15349 85899 30364 62852
08035 61694 11723 64589 45521 37022 37276 60561 94116 01036
88763 29272 15619 46296 000 000

15892/14892/13992 kHz, 28-05, 2310/2330/2350 UTC

889 889 889 1 811 249 811 249
93940 27011 21656 55139 43110 54219 38439 67978 95384 75464
39728 08265 08288 62367 76048 97137 32610 39058 91904 62364
07929 95716 57675 46387 87664 63514 13894 68623 55440 17986
19570 06635 68645 19605 42162 79611 82405 18297 26654 03248
82689 06860 37588 15559 64769 10750 64664 29201 84450 86406
62955 59725 65378 88232 55885 60049 03619 91073 90588 45772
78056 67245 61156 20065 31427 65027 81331 65336 73698 47609
66000 96467 16008 08877 36226 76484 42970 78607 37138 58356
15092 68567 30847 21657 28882 36143 60897 29236 45009 97625
23592 45150 40903 88268 48621 62755 23922 33763 58152 85166
09200 12415 59951 39406 42487 88946 62590 76727 91029 00382
71909 96961 59690 53323 42739 08701 60808 89922 71315 02010
32354 22734 22605 58629 69774 98978 36964 12272 17163 03408
80176 78311 39945 42429 33198 87341 78451 29038 40966 30309
34699 92200 91418 46708 99050 23124 57606 60625 29309 08994
45703 51888 62350 49788 08560 61987 28317 60578 67295 41648
29660 39216 22134 62257 31087 04554 97006 61042 32221 92808
89107 82887 32284 00500 17008 31515 76423 29729 55688 61128
85138 38265 34124 74505 77008 37442 15085 65442 69598 00444
85748 04359 36597 10449 46442 34123 23905 03062 65694 09124
71742 21011 42090 56600 27041 02087 01298 97199 06323 59257
73442 72573 05995 44905 75161 76154 21622 83490 44474 52778
04994 59981 10112 98173 00138 15905 90709 33340 82228 00084
76602 25668 83623 60834 53268 54258 74877 60831 08871 83700
48970 24979 36508 36796 69518 97751 70669 15241 99896 000 000

17458/16234/15814 kHz, 2100/2120/2140 UTC

17458/16234/15814 kHz, 23-05/24-05/30-05/31-05, 2100/2120/2140 UTC

428 428 428 1 3822 84 3822 84
22585 56796 67017 41774 06469 81757 29794 01423 40409 84365
76611 58658 78460 55132 05426 24212 36247 01529 17183 57942
07448 02517 38668 04457 23171 77459 87605 95724 49531 05314
88297 97339 16878 69162 85957 05653 36790 81842 70144 18103
88163 76382 70553 12767 04829 54552 56325 65303 53412 67041
36465 97647 10808 10604 03522 45143 75692 75971 03365 09333
61564 29323 92682 16144 45262 21397 22843 76333 01669 27201
42038 27975 85826 38363 07738 75942 61808 98175 86531 43119
52790 45092 64363 08672 000 000

16272/14972/13972 kHz, 0300/0320/0340 UTC

16272/14972/13972 kHz, 27-05/29-05, 0300/0320/0340 UTC

299 299 299 1 6582 168 6582 168
24809 79564 17637 07030 89838 46178 22289 90867 01473 27792
02456 02148 55336 71593 81332 11258 71664 64377 83280 54192
68196 02606 57493 87486 87327 49469 63215 57097 05535 68061
61094 36964 70078 48638 27741 41831 34627 18158 83427 48273
01188 45847 94669 14765 87117 66995 11463 16450 45864 76798
18226 43451 88621 87037 36105 99395 64127 34293 62138 75242
61549 23881 80714 35663 56547 67742 12148 16850 29811 07069
83992 20042 58420 56493 08736 86002 60697 61296 31334 86904
30016 06076 38039 33965 93171 44883 83511 44054 34176 13269
75987 28229 57073 50119 43013 90917 41121 87153 30104 64035
02869 01961 51783 41486 77231 15088 70961 92917 87788 88936
88009 22785 46861 80687 23299 64785 20320 97951 15570 59200
51697 69884 47058 48292 02951 61365 55262 21032 48441 11356
89216 45025 85451 73747 49139 59577 96427 64941 81648 67244
35919 64520 16026 79940 12922 21544 41158 11956 76433 23131
89676 23935 44348 74851 57857 24131 61585 25674 03880 96505
80380 10887 19461 81909 30619 62377 94676 90773 000 000

9145/8072 kHz, 07-05, 0905/0915 UTC

687 687 687 1 9450 6 9450 6

33161 13996 65629 79761 06081 78212 000 000

M14

1 and 2 May: no transmissions

12211 kHz, 05-05, 0500 UTC

480 (R31s) 8s silence. 952 (R16s) briefly inverted CW, 6s silence, 480 48, 20s silence, 38s inverted morse. Restart at 0503z

10243 kHz, 05-05, 0520 UTC

12211/10243 kHz, 06-05, 0500/0520 UTC

952 403 403 57 57 = =

53818 29463 36756 82948 09435 78993 34894 92360 81652 23583

63916 10722 54048 60292 80003 48295 99791 39221 29922 95249

26340 55742 55934 64913 85467 69385 33993 03536 15814 85332

24937 64983 10136 59434 43351 73828 24459 12710 73800 25234

71307 66254 89111 95114 64204 32486 50384 58971 05633 23693

93539 42864 35634 63788 31381 54948 83243

= = 403 403 57 57 00000

12211 kHz, 07-05, 0502 UTC

952 952 952 00000 (R2). Late start. Restart at 0505z: 925 925 925 00000 (R2)

10243 kHz, 07-05, 0520 UTC

952 952 952 00000 (R4)

8, 9, 12, 13, 14, 15, 16 May: no transmissions

12211/10243 kHz, 19-05/20-5, 0500/0520 UTC

952 168 168 51 51 = =

19931 58871 13808 47198 20416 06433 04142 95778 19258 37288

26315 69472 18551 71357 02171 63691 01379 29211 35315 75262

20797 95735 23205 31574 89306 86240 81426 80752 73499 38446

97380 28820 23570 78782 55543 34749 92372 36450 01497 99379

23728 03664 36921 90111 14643 65532 62723 20318 81150 48001

12510

= = 168 168 51 51 00000

12211/10243 kHz, 21-5/22-05, 0500/0520 UTC

952 307 307 28 28 = =

84000 60161 77110 08719 56752 50342 27615 96642 60399 23769

45996 21262 29382 09749 39316 95497 91375 36958 77496 76646

46308 47304 56372 50404 30250 34100 82330 22802

= = 307 307 28 28

952 814 814 27 27 = =

00593 14810 27511 15139 79091 78915 58343 82051 83571 81668

27686 75688 31580 46914 10299 22555 94197 97805 35706 13995

21767 29194 68852 03228 97839 21117 96329

= = 814 814 27 27 00000

12211/10243 kHz, 23-05, 0500/0520 UTC

952 952 952 00000

12211/10243 kHz, 26-05, 0500/0520 UTC

952 760 760 54 54 = =

73473 64063 31072 09569 10161 32904 66653 66162 95445 15350

81142 60742 33240 99774 35523 68820 28999 27988 86466 86901

06052 95612 81997 79601 84916 67421 31879 00297 30290 31031

69801 71237 95400 37430 50143 34086 18419 01754 44794 06794

50592 62746 35040 07762 20824 24363 12888 33231 66348 27924

35704 98827 84214 28288

= = 760 760 54 54 00000

27 May: not monitored

12211/10243 kHz, 28-05/29-05, 0500/0520 UTC

952 438 438 25 25 = =
58325 34199 90497 22294 86047 19899 45751 88884 53305 41292
46110 96975 22035 10181 36193 72771 13753 61668 04101 94634
84604 73129 94977 54676 02062
= = 438 438 25 25
952 176 176 32 32 = =
48234 41718 10203 42544 01809 50800 08442 31784 07666 25536
45202 10186 68688 55701 21194 15463 19220 16895 08809 56618
14510 11517 25795 26075 10107 59466 57466 54480 54621 55729
13385 37865
= = 176 176 32 32 00000

M23

All broadcasts lasted about 20-25 minutes. Start time may be up to 1 minute early.

10222 kHz, 01-13 May, 0600 UTC

GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.

9427 kHz, 01-11 May , 0700 UTC. Part of Alice in Wonderland

ALICE WAS BEGINNING TO GET VERY TIRED OF SITTING BY HER SISTER ON THE BANK AND OF HAVING NOTHING TO DO
ONCE OR TWICE SHE HAD PEEPED INTO THE BOOK HER SISTER WAS READING BUT IT HAD NO PICTURES OR CONVERSATIONS IN IT
AND WHAT IS THE USE OF A BOOK THOUGHT ALICE WITHOUT PICTURES OR CONVERSATION SO SHE WAS CONSIDERING IN HER OWN
MIND AS WELL AS SHE COULD FOR THE HOT DAY MADE HER FEEL VERY SLEEPY AND STUPID WHETHER THE PLEASURE OF MAKING A
DAISY-CHAIN WOULD BE WORTH THE TROUBLE OF GETTING UP AND PICKING THE DAISIES WHEN SUDDENLY A WHITE RABBIT WITH
PINK EYES RAN CLOSE BY HER (sent once) 15081769 (repeated).

10916 kHz, 01-11 May , 0800 UTC

50505 55550 05500 05500 55050 55550 05550 etc. followed by part of **Le lièvre et la tortue (the hare and the tortoise)**
RIEN NE SERT DE COURIR IL FAUT PARTIR A POINT
LE LIEVRE ET LA TORTUE EN SONT UN TEMOIGNAGE
GAGEONS DIT CELLE CI QUE VOUS N ATTEINDREZ POINT
SITOT QUE MOI CE BUT SITOT ETES VOUS SAGE
REPARTIT L ANIMAL LEGER
MA COMMERE IL VOUS FAUT PURGER
AVEC QUATRE GRAINS D ELLEBORE
SAGE OU NON JE PARIE ENCORE
AINSI FUT FAIT ET DE TOUS DEUX
ON MIT PRES DU BUT LES ENJEUX
SAVOIR QUOI CE N EST PAS L AFFAIRE
NI DE QUEL JUGE L ON CONVINT.
NOTRE LIEVRE N AVAIT QUE QUATRE PAS A FAIRE
J ENTENDS DE CEUX QU IL FAIT
(off)

7668 kHz, 01-12 May, 1600 UTC. Not monitored on 12 May.

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc.
PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMISACRE MONDE TIEDE GUIDE METRE POUCE POULE REVER
STADE TRAIN NOTRE VOTRE ENTRE CONTRE DESIR AIDES CONTER RENTE VOTER TENOR RIAANT DATES VERRE LOUPE COUPE TERME
DIUE DIETE DEMON CASER PRIMA MINE LINGE SIGNE CHIEN NICHE GRADE SITUE

7668 kHz, 13-05, 1600 UTC

55555 05050 55005 05555 00000 etc. followed by part of Le lièvre et la tortue

6937 kHz, 01-11 + 15 May, 1800 UTC

55555 00000 55555 00000 55555 55555 55555 55555 55555 00000 00000 55555 etc.
PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMISACRE MONDE TIEDE GUIDE METRE POUCE POULE REVER
STADE TRAIN NOTRE VOTRE ENTRE CONTRE DESIR AIDES CONTER RENTE VOTER TENOR RIAANT DATES VERRE LOUPE COUPE TERME

6937 kHz, 12-13 May, 1800 UTC

ALICE WAS BEGINNING TO GET VERY TIRED OF SITTING BY HER SISTER ON THE BANK AND OF HAVING NOTHING TO DO ONCE OR TWICE SHE HAD PEEPED INTO THE BOOK HER SISTER WAS READING BUT IT HAD NO PICTURES OR CONVERSATIONS IN IT AND WHAT IS THE USE OF A BOOK THOUGHT ALICE WITHOUT PICTURES OR CONVERSATION SO SHE WAS CONSIDERING IN HER OWN MIND AS WELL AS SHE COULD FOR THE HOT DAY MADE HER FEEL VERY SLEEPY AND STUPID WHETHER THE PLEASURE OF MAKING A DAISY-CHAIN WOULD BE WORTH THE TROUBLE OF GETTING UP AND PICKING THE DAISIES WHEN SUDDENLY A WHITE RABBIT WITH PINK EYES RAN CLOSE BY HER (sent once)

We may have missed a number of these hourly slots but as far as we know the increased activity began on the 18th

These hourly transmissions include the word **OK** which is sent at ca 9 minutes after the start.

Messages: 50505 55550 05550 05500 55005 etc OK after 9 minutes followed by 05500 55005 50505 etc

Hourly beeps at hh00 on 6961 kHz. Later on 7442 kHz.

14-5 Message: 50505 55550 05550 05500 55005 ...

8030 kHz 1600, 1700 UTC

6961 kHz 1800, 1900 UTC

15-05 Message: 50505 55550 05550 05500 55005 ...

6961 kHz 0500, 0600 UTC

10300 kHz 1200, 1300, 1400 UTC

8030 kHz 1600, 1700 UTC

6961 kHz 1800, 1900 UTC

16-05 Message: 50505 55550 05550 05500 55005 ...

6961 kHz 0500, 0600 UTC

17-05 Message: 50505 55550 05550 05500 55005 ...

10300 kHz 1400 UTC

8030 kHz 1500 UTC

6961 kHz 1800, 1900 UTC

18-05 Message: 50505 55550 05550 05500 55005 ...

8030 kHz 0700, 0800, 0900, 1000 UTC

10300 kHz 1100, 1200, 1300, 1400 UTC

8030 kHz 1500, 1600, 1700 UTC

6961 kHz 1800, 1900 UTC

5921 kHz 2000, 2100, 2200, 2300 UTC

19 May Message: 50505 55550 05550 05500 55005 ...

5921 kHz 0000, 0100, 0200 UTC

6961 kHz 0300, 0400, 0500, 0600 UTC

8030 kHz 0700, 0800, 0900, 1000 UTC

10300 kHz 1100, 1200, 1300, 1400 UTC

8030 kHz 1500, 1600 UTC

6961 kHz 1800, 1900 UTC

5921 kHz 2000, 2100, 2200, 2300 UTC

20 May Message: 50505 55550 05550 05500 55005 ...

5921 kHz 0000, 0100, 0200 UTC

6961 kHz 0300, 0400, 0500, 0600 UTC

8030 kHz 0700, 0800, 0900, 1000 UTC

10300 kHz 1100, 1200 UTC

6961 kHz 1325 (ended 1415 UTC)

21 May Message: LO48636017 LA1511114 (R)

6961 kHz 0700, 0800, 0900 UTC

LO longitude, LA latitude??

21 May Other messages

6961 kHz 1000 UTC 00550 00000 00550 00000 00550 00000 ...

6961 kHz	1100 UTC	55005 00000 55005 00000 55005 00000 ...
6961 kHz	1200 UTC	55005 55555 55005 55555 55005 55555 ...
6961 kHz	1300 UTC	50505 55555 50505 55555 50505 55555 ...
6961 kHz	1400 UTC	50505 00000 50505 55555 50505 55555 ...
6961 kHz	1445 UTC	00550 55555 00550 55555 00550 55555 ... (R1m39s)

All groups below shown as sent, once only – no ongoing repeated groups. Probably tests. (logged by BR)

6961 kHz	1633 UTC	05500 05
6961 kHz	1635 UTC	05500 0
6961 kHz	1637 UTC	05500 05500
		U C 05500 05500
		V 05500 05500
		U
6961 kHz	1638 UTC	U 05500 05500
6961 kHz	1639 UTC	U 05500 05500
6961 kHz	1640 UTC	U 05500 05500

22 May Message: LO48636017 LA1511114 (R)

7442 kHz	0400, 0500, 0700, 0900, 1600, 1800, 1900 UTC
6961 kHz	0000 – 0800 UTC Hourly beep
7442 kHz	0200 – 2300 UTC Hourly beep

Funny how the hourly beep interferes with the message. Recording attached

23 May Message: LO48636017 LA1511114 (R)

7442 kHz	0400, 0500, 0700, 0900, 1600, 1800, 1900 UTC
----------	--

24 May Message: LO48636017 LA1511114 (R)

7442 kHz	0400, 0500, 0700, 0800, 1900 UTC
----------	----------------------------------

25 May

7442 kHz	0400, 0500, 0700, 1900 UTC	LO48636017 LA1511114 (R)
6961 kHz	1500 UTC	55005 50005 (R)
6961 kHz	1700 UTC	50505 55555 (R)
6961 kHz	1800 UTC	00550 50005 (R)
7442 kHz	0400, 0500, 0700, 0900 UTC	LO48636017 LA1511114 (R)
6961 kHz	1500 UTC	55005 50005 (R)
6961 kHz	1700 UTC	50505 55555 (R)
6961 kHz	1800 UTC	00550 50005 (R)
7442 kHz	1900 UTC	LO48636017 LA1511114 (R)

26 May

7442 kHz	0400, 0500, 0700 UTC	LO48636017 LA1511114 (R)
----------	----------------------	--------------------------

27 May

7442 kHz	0700, 0900 UTC	LO48636017 LA1511114 (R)
6961 kHz	1500 UTC	55005 50005 (R)
6961 kHz	1600 UTC	00550 55555 (R)
6961 kHz	1700 UTC	50505 55555 (R)
7442 kHz	1900 UTC	LO48636017 LA1511114 (R)

28 May

7442 kHz	0400, 0700, 0900 UTC	LO48636017 LA1511114 (R)
6961 kHz	1100 UTC	55005 00000 (R)
6961 kHz	1400 UTC	50505 00000 (R)
7442 kHz	1900 UTC	LO48636017 LA1511114 (R)

29 May

7442 kHz	0700, 0900 1900 UTC	LO48636017 LA1511114 (R)
----------	---------------------	--------------------------

No transmissions heard on 6961 kHz today although the hourly beeps were still active. No other active frequencies found.

30 and 31 May

All scheds missing today with no other transmissions heard.

The hourly beeps were still active on both 7442 kHz & 6961 kHz throughout the day & evening.

UM04 - PROMRCh

4735 kHz, 01-05, 0700 UTC

VVV VVV PROMRCh = 01 05 =

1000 0910 0950 1070 1480
1200 1040 1070 1200 1610
1400 1090 1120 1250 1670
1600 1040 1070 1200 1630
1800 1010 1050 1180 1610
2000 0930 0950 1060 1400
2200 0740 0760 0830 1090
0000 0670 0680 0740 0950
0200 0630 0640 0690 0880
0400 0560 0570 0630 0820
0600 0570 0590 0680 0950
0800 0760 0800 0930 1320

= ABV =

VVV VVV PROMRCh = 01 05 =

1000 0910 0950 1070 1480
1200 1040 1070 1200 1610
1400 1090 1120 1250 1670
1600 1040 1070 1200 1630
1800 1010 1050 1180 1610
2000 0930 0950 1060 1400
2200 0740 0760 0830 1090
0000 0670 0680 0740 0950
2200 0630 0640 0690 0880
0400 0560 0570 0630 0820
0600 0570 0590 0680 0950
0800 0760 0800 0930 1320

= AR

4735 kHz, 02-05, 0700 UTC

VVV VVV PROMRCh = 02 05 =

1000 0920 0950 1080 1480
1200 1040 1080 1200 1620
1400 1090 1120 1250 1670
1600 1040 1070 1200 1630
1800 1010 1050 1180 1620
2000 0930 0960 1060 1410
2200 0750 0760 0840 1090
0000 0670 0690 0700 0950
0200 0630 0640 0700 0890
0400 0560 0580 0630 0820
0600 0570 0600 0690 0960
0800 0770 0810 0940 1330

= ABV

VVV VVV PROMRCh = 02 05 =

1000 0920 0950 1080 1480
1200 1040 1080 1200 1620
1400 1090 1120 1250 1670
1600 1040 1070 1200 1630
1800 1010 1050 1180 1620
2000 0930 0960 1060 1410
2200 0750 0760 0840 1090
0000 0670 0690 0700 0950
0200 0630 0640 0700 0890
0400 0560 0580 0630 0820
0600 0570 0600 0690 0960
0800 0770 0810 0940 1330

= AR

4735 kHz, 04-05, 0700 UTC

VVV VVV PROMRCh = 04 05 =

1000 0920 0950 1080 1470
1200 1040 1070 1190 1600
1400 1080 1120 1240 1650
1600 1040 1070 1200 1610
1800 1010 1040 1170 1600
2000 0930 0960 1060 1400
2200 0760 0780 0850 1110
0000 0680 0700 0750 0960
0200 0650 0660 0710 0910
0400 0570 0590 0640 0830
0600 0590 0610 0700 0980
0800 0780 0820 0940 1340

= ABV

VVV VVV PROMRCh = 04 05 =

1000 0920 0950 1080 1470
1200 1040 1070 1190 1600
1400 1080 1120 1240 1650
1600 1040 1070 1200 1610
1800 1010 1040 1170 1600
2000 0930 0960 1060 1400
2200 0760 0780 0850 1110
0000 0680 0700 0750 0960
0200 0650 0660 0710 0910
0400 0570 0590 0640 0830
0600 0590 0610 0700 0980
0800 0780 0820 0940 1340

= AR

4735 kHz, 05-05, 0702 UTC

VVV VVV PROMRCh = 05 05 =

1000 0920 0950 1070 1470
1200 1040 1070 11190 1600
1400 1090 1120 1240 1650
1600 1030 1060 1190 1600
1800 1000 1030 1160 1580
2000 0930 0960 1060 1400
2200 0760 0780 0860 1120
0000 0680 0700 0760 0970
0200 0650 0660 0720 0910
0400 0570 0580 0640 0830
0600 0580 0610 0700 0970
0800 0780 0810 0940 1330

= ABV =

VVV VVV PROMRCh = 05 05 =

1000 0920 0950 1070 1470
1200 1040 1070 1190 1600
1400 1090 1120 1240 1650
1600 1030 1060 1190 1600
1800 1000 1030 1160 1580
2000 0930 0960 1060 1400
2200 0760 0780 0860 1120
0000 0680 0700 0760 0970
0200 0650 0660 0720 0910
0400 0570 0580 0640 0830
0600 0580 0610 0700 0970
0800 0780 0810 0940 1330

= AR

4735 kHz, 06-05, 0700 UTC

VVV VVV PROMRCh = 06 05 =

1000 0920 0950 1070 1470
1200 1040 1070 1190 1590
1400 1080 1110 1230 1640
1600 1030 1060 1180 1600
1800 0990 1030 1160 1580
2000 0940 0960 1060 1400
2200 0770 0790 0870 1130
0000 0680 0700 0760 0970
0200 0650 0660 0720 0910
0400 0570 0580 0640 0830
0600 0590 0610 0700 0980
0800 0780 0820 0950 1340

= ABV

VVV VVV PROMRCh = 06 05 =

1000 0920 0950 1070 1470
1200 1040 1070 1190 1590
1400 1080 1110 1230 1640
1600 1030 1060 1180 1600
1800 0990 1030 1160 1580
2000 0940 0960 1060 1400
2200 0770 0790 0870 1130
0000 0680 0700 0760 0970
0200 0650 0660 0720 0910
0400 0570 0580 0640 0830
0600 0590 0610 0700 0980
0800 0780 0820 0950 1340

= AR

4735 kHz, 07-05, 0700 UTC.

Note the wrong date

VVV VVV PROMRCh = **08 05** =

1000 0920 0950 1070 1460
1200 1040 1070 1180 1590
1400 1080 1110 1230 1640
1600 1020 1060 1170 1590
1800 0980 1020 1140 1560
2000 0930 0960 1060 1400
2200 0770 0790 0870 1130
0000 0680 0700 0760 0970
0200 0650 0660 0720 0920
0400 0570 0580 0640 0830
0600 0590 0620 0700 0980
0800 0780 0820 0940 1330

= ABV

VVV VVV PROMRCh = **08 05** =

1000 0920 0950 1070 1460
1200 1040 1070 1180 1590
1400 1080 1110 1230 1640
1600 1020 1060 1170 1590
1800 0980 1020 1140 1560
2000 0930 0960 1060 1400
2200 0770 0790 0870 1130
0000 0680 0700 0760 0970
0200 0650 0660 0720 0920
0400 0570 0580 0640 0830
0600 0590 0620 0700 0980
0800 0780 0820 0940 1330

= AR

4735 kHz, 08-05, 0700 UTC

VVV VVV PROMRCh = 08 05 =

1000 0920 0950 1070 1460
1200 1050 1080 1190 1590
1400 1090 1120 1240 1640
1600 1030 1060 1180 1590
1800 0990 1020 1140 1560
2000 0940 0960 1060 1410
2200 0780 0800 0880 1150
0000 0690 0700 0760 0980
0200 0650 0660 0720 0920
0400 0570 0580 0640 0830
0600 0590 0620 0700 0980
0800 0780 0820 0940 1320

= ABV

VVV VVV PROMRCh = 08 05 =

1000 0920 0950 1070 1460
1200 1050 1080 1190 1590
1400 1090 1120 1240 1640
1600 1030 1060 1180 1590
1800 0990 1020 1140 1560
2000 0940 0960 1060 1410
2200 0780 0800 0880 1150
0000 0690 0700 0760 0980
0200 0650 0660 0720 0920
0400 0570 0580 0640 0830
0600 0590 0620 0700 0980
0800 0780 0820 0940 1320

= AR

4735 kHz, 09-05, 0700 UTC

VVV VVV PROMRCh = 09 05 =

1000 0910 0940 1060 1450
1200 1040 1070 1190 1590
1400 1080 1110 1230 1630
1600 1030 1050 1180 1580
1800 0980 1010 1140 1550
2000 0940 0960 1060 1400
2200 0780 0800 0880 1150
0000 0690 0710 0770 0990
0200 0650 0670 0720 0930
0400 0570 0590 0640 0840
0600 0590 0620 0700 0980
0800 0780 0810 0930 1320

= ABV

VVV VVV PROMRCh = 09 05 =

1000 0910 0940 1060 1450
1200 1040 1070 1190 1590
1400 1080 1110 1230 1630
1600 1030 1050 1180 1580
1800 0980 1010 1140 1550
2000 0940 0960 1060 1400
2200 0780 0800 0880 1150
0000 0690 0710 0770 0990
0200 0650 0670 0720 0930
0400 0570 0590 0640 0840
0600 0590 0620 0700 0980
0800 0780 0810 0930 1320

= AR

4735 kHz, 10-05, 0700 UTC

VVV VVV PROMRCh = 10 05 =
 1000 0900 0940 1050 1450
 1200 1030 1060 1180 1580
 1400 1070 1100 1220 1610
 1600 1010 1050 1160 1570
 1800 0980 1010 1130 1540
 2000 0940 0960 1060 1400
 2200 0790 0810 0890 1160
 0000 0690 0710 0770 0990
 0200 0660 0670 0730 0930
 0400 0570 0590 0650 0840
 0600 0590 0620 0700 0980
 0800 0780 0810 0930 1320
 = ABV
 VVV VVV PROMRCh = 10 05 =
 1000 0900 0940 1050 1450
 1200 1030 1060 1180 1580
 1400 1070 1100 1220 1610
 1600 1010 1050 1160 1570
 1800 0980 1010 1130 1540
 2000 0940 0960 1060 1400
 2200 0790 0810 0890 1160
 0000 0690 0710 0770 0990
 0200 0660 0670 0730 0930
 0400 0570 0590 0650 0840
 0600 0590 0620 0700 0980
 0800 0780 0810 0930 1320
 = AR

4735 kHz, 14-05, 0700 UTC

VVV VVV PROMRCh = 14 05 =
 1000 0870 0900 1020 1440
 1200 0990 1010 1130 1510
 1400 1010 1040 1150 1550
 1600 0970 = = 16 EEEE =
 1600 0960 0990 1110 1500
 1800 0920 0960 1070 1470
 2000 0910 0940 1040 1380
 2200 0790 0810 0890 1170
 0000 0700 0720 0780 1010
 0200 0660 0680 0730 0940
 0400 0580 0590 0650 0850
 0600 0600 0620 0710 0980
 0800 0770 0800 0920 1290
 = ABV =
 VVV VVV PROMRCh = 14 05 =
 1000 0870 0900 1020 1440
 1200 0990 1010 1130 1510
 1400 1010 1040 1150 1550
 1600 0960 0990 1110 1500
 1800 0920 0960 1070 1470
 2000 0910 0940 1040 1380
 2200 0790 0810 0890 1170
 0000 0700 0720 0780 1010
 0200 0660 0680 0730 0940
 0400 0580 0590 0650 0850
 0600 0600 0620 0710 0980
 0800 0770 0800 0920 1290
 = AR

4735 kHz, 11-05, 0702 UTC

VVV VVV PROMRCh = 11 05 =
 1000 0890 0920 1040 1450
 1200 1020 1050 1170 1560
 1400 1060 1090 1200 1600
 1600 1000 1040 1150 1540
 1800 0970 1000 1120 1530
 2000 0930 0960 1060 1400
 2200 0790 0810 0890 1160
 0000 0700 0720 0780 1000
 0200 0660 0670 0730 0940
 0400 0580 0590 0650 0860
 0600 0590 0620 0700 0980
 0800 0750 0770 0810 1300
 = ABV =
 VVV VVV PROMRCh = 11 05 =
 1000 0890 0920 1040 1450
 1200 1020 1050 1170 1560
 1400 1060 1090 1200 1600
 1600 1000 1040 1150 1540
 1800 0970 1000 1120 1530
 2000 0930 0960 1060 1400
 2200 0790 0810 0890 1160
 0000 0700 0720 0780 1000
 0200 0660 0670 0730 0940
 0400 0580 0590 0650 0860
 0600 0590 0620 0700 0980
 0800 0750 0770 0810 1300
 = AR

4735 kHz, 15-05, 0700 UTC

VVV VVV PROMRCh = 15 05 =
 1000 0860 0900 1010 1440
 1200 0970 1000 1110 1510
 1400 1000 1030 1140 1530
 1600 0950 0980 1090 1480
 1800 0910 0940 1060 1440
 2000 0910 0930 1030 1380
 2200 0790 0810 0890 1180
 0000 0710 0720 0790 1020
 0200 0660 0680 0730 0940
 0400 0580 0590 0650 0850
 0600 0600 0620 0710 0990
 0800 0750 0800 0920 1280
 = ABV
 VVV VVV PROMRCh = 15 05 =
 1000 0860 0900 1010 1440
 1200 0970 1000 1110 1510
 1400 1000 1030 1140 1530
 1600 0950 0980 1090 1480
 1800 0910 0940 1060 1440
 2000 0910 0930 1030 1380
 2200 0790 0810 0890 1180
 0000 0710 0720 0790 1020
 0200 0660 0680 0730 0940
 0400 0580 0590 0650 0850
 0600 0600 0620 0710 0990
 0800 0750 0800 0920 1280
 = AR

4735 kHz, 12-05, 0702 UTC

VVV VVV PROMRCh = 12 05 =
 1000 0890 0910 1030 1450
 1200 1010 1040 1150 1540
 1400 1040 1070 1180 1570
 1600 0990 1020 1140 1530
 1800 0950 0990 1110 1500
 2000 0930 0960 1050 1390
 2200 0790 0810 0890 1170
 0000 0700 0720 0780 1000
 0200 0660 0670 0730 0940
 0400 0580 0590 0650 0850
 0600 0590 0620 0710 0990
 0800 0770 0810 0930 1300
 = ABV
 VVV VVV PROMRCh = 12 05 =
 1000 0890 0910 1030 1450
 1200 1010 1040 1150 1540
 1400 1040 1070 1180 1570
 1600 0990 1020 1140 1530
 1800 0950 0990 1110 1500
 2000 0930 0960 1050 1390
 2200 0790 0810 0890 1170
 0000 0700 0720 0780 1000
 0200 0660 0670 0730 0940
 0400 0580 0590 0650 0850
 0600 0590 0620 0710 0990
 0800 0770 0810 0930 1300
 = AR

4735 kHz, 16-05, 0700 UTC

VVV VVV PROMRCh = 16 05 =
 1000 096 EEEEEEE
 1000 0860 0890 1000 1440
 1200 0960 0990 1100 1500
 1400 0980 1010 1120 1500
 1600 0930 0960 1070 1460
 1800 0890 0930 1050 1430
 2000 0900 0930 1030 1370
 2200 0790 0810 0890 1170
 0000 0710 0720 0790 1020
 0200 0660 0680 0740 0940
 0400 0570 0590 0650 0840
 0600 0600 0620 0710 0990
 0800 0760 0790 0910 1270
 = ABV =
 VVV VVV PROMRCh = 16 05 =
 1000 0860 0890 1000 1440
 1200 0960 0990 1100 1500
 1400 0980 1010 1120 1500
 1600 0930 0960 1070 1460
 1800 0890 0930 1050 1430
 2000 0900 0930 1030 1370
 2200 0790 0810 0890 1170
 0000 0710 0720 0790 1020
 0200 0660 0680 0740 0940
 0400 0570 0590 0650 0840
 0600 0600 0620 0710 0990
 0800 0760 0790 0910 1270
 = AR

4735 kHz, 13-05, 0700 UTC

VVV VVV PROMRCh = 13 05 =
 1000 0880 0910 1030 1450
 1200 1000 1020 1140 1520
 1400 1030 1060 1170 1560
 1600 0970 1000 1120 1520
 1800 0940 0970 1090 1480
 2000 0920 0950 1050 1380
 2200 0790 0810 0890 1170
 0000 0700 0720 0780 1000
 0200 0660 0680 0730 0940
 0400 0580 0590 0650 0850
 0600 0600 0620 0710 0990
 0800 0770 0800 0920 1300
 = ABV
 VVV VV PROMRCh = 13 05 =
 1000 0880 0910 1030 1450
 1200 1000 1020 1140 1520
 1400 1030 1060 1170 1560
 1600 0970 1000 1120 1520
 1800 0940 0970 1090 1480
 2000 0920 0950 1050 1380
 2200 0790 0810 0890 1170
 0000 0700 0720 0780 1000
 0200 0660 0680 0730 0940
 0400 0580 0590 0650 0850
 0600 0600 0620 0710 0990
 0800 0770 0800 0920 1300
 = AR

4735 kHz, 17-05, 0700 UTC

VVV VVV PROMRCh = 17 05 =
 1000 0840 0870 0980 1430
 1200 0940 0960 1080 1500
 1400 0960 0980 1100 1490
 1600 0910 0940 1050 1430
 1800 0870 0910 1030 1410
 2000 0890 0920 1020 1370
 2200 0780 0800 0880 1170
 0000 0700 0720 0790 1010
 0200 0660 0680 0740 0940
 0400 0570 0580 0640 0840
 0600 0590 0620 0710 0990
 0800 0750 0780 0900 1260
 = ABV
 VVV VVV PROMRCh = 17 05 =
 1000 0840 0870 0980 1430
 1200 0940 0960 1080 1500
 1400 0960 0980 1100 1490
 1600 0910 0940 1050 1430
 1800 0870 0910 1030 1410
 2000 0890 0920 1020 1370
 2200 0780 0800 0880 1170
 0000 0700 0720 0790 1010
 0200 0660 0680 0740 0940
 0400 0570 0580 0640 0840
 0600 0590 0620 0710 0990
 0800 0750 0780 0900 1260
 = AR

4735 kHz, 18-05, 0700 UTC

VVV VVV PROMRCh = 18 05 =
 1000 0830 0850 0970 1430
 1200 0920 0950 1060 1510
 1400 0940 0970 1080 1490
 1600 0890 0920 1040 1410
 1800 0860 0890 1010 1390
 2000 0880 0910 1010 1360
 2200 0780 0800 0890 1180
 0000 0700 0710 0780 1010
 0200 0660 0670 0730 0940
 0400 0560 0580 0640 0830
 0600 0590 0620 0710 0980
 0800 0740 0770 0890 1250
 = ABV
 VVV VVV PROMRCh = 18 05 =
 1000 0830 0850 0970 1430
 1200 0920 0950 1060 1510
 1400 0940 0970 1080 1490
 1600 0890 0920 1040 1410
 1800 0860 0890 1010 1390
 2000 0880 0910 1010 1360
 2200 0780 0800 0890 1180
 0000 0700 0710 0780 1010
 0200 0660 0670 0730 0940
 0400 0560 0580 0640 0830
 0600 0590 0620 0710 0980
 0800 0740 0770 0890 1250
 = AR

4735 kHz, 19-05, 0659 UTC

RRUR 5NN 73 TU (73 TU:
 goodbye thank you???)
 VVV VVV PROMRCh = 19 05 =
 1000 0810 0840 0950 1430
 1200 0910 0940 1050 1510
 1400 0930 0960 1070 1490
 1600 0880 0920 1030 1400
 1800 0850 0880 0990 1370
 2000 0870 0900 1010 1350
 2200 0770 0800 0880 1180
 0000 0690 0710 0780 1010
 0200 0650 0670 0730 0930
 0400 0550 0570 0630 0820
 0600 0580 0610 0700 0970
 0800 0730 0760 0880 1250
 = ABV
 VVV VVV PROMRCh = 19 05 =
 1000 0810 0840 0950 1430
 1200 0910 0940 1050 1510
 1400 0930 0960 1070 1490
 1600 0880 0920 1030 1400
 1800 0850 0880 0990 1370
 2000 0870 0900 1010 1350
 2200 0770 0800 0880 1180
 0000 0690 0710 0780 1010
 0200 0650 0670 0730 0930
 0400 0550 0570 0630 0820
 0600 0580 0610 0700 0970
 0800 0730 0760 0880 1250
 = AR

4735 kHz, 22-05, 0700 UTC

VVV VVV PROMRCh = 22 05 =
 1000 0790 0820 0930 1420
 1200 0870 0900 1010 1510
 1400 0890 0920 1030 1500
 1600 0840 0870 0990 1370
 1800 0810 0840 0960 1330
 2000 0860 0890 1000 1340
 2200 0770 0790 0880 1170
 0000 0690 0700 0770 1010
 0200 0640 0650 0710 0920
 0400 0540 0550 0610 0800
 0600 0580 0610 0690 0970
 0800 0720 0760 0870 1260
 = ABV
 VVV VVV PROMRCh = 22 05 =
 1000 0790 0820 0930 1420
 1200 0870 0900 1010 1510
 1400 0890 0920 1030 1500
 1600 0840 0870 0990 1370
 1800 0810 0840 0960 1330
 2000 0860 0890 1000 1340
 2200 0770 0790 0880 1170
 0000 0690 0700 0770 1010
 0200 0640 0650 0710 0920
 0400 0540 0550 0610 0800
 0600 0580 0610 0690 0970
 0800 0720 0760 0870 1260
 = AR

4735 kHz, 23-05, 0700 UTC

VVV VVV PROMRCh = 23 05 =
 1000 0790 0810 0930 1430
 1200 0870 0900 1010 1520
 1400 0880 0910 1030 1490
 1600 0830 0860 0980 1370
 1800 0810 0840 0960 1320
 2000 0900 0890 1000 1340
 2200 0770 0790 0880 1170
 0000 0680 0700 0760 1000
 0200 0630 0650 0700 0910
 0400 0530 0550 0600 0800
 0600 0580 0610 0700 0980
 0800 0720 0760 0870 1260
 = ABV
 VVV VVV PROMRCh = 23 05 =
 1000 0790 0810 0930 1430
 1200 0870 0900 1010 1520
 1400 0880 0910 1030 1490
 1600 0830 0860 0980 1370
 1800 0810 0840 0960 1320
 2000 0900 0890 1000 1340
 2200 0770 0790 0880 1170
 0000 0680 0700 0760 1000
 0200 0630 0650 0700 0910
 0400 0530 0550 0600 0800
 0600 0580 0610 0700 0980
 0800 0720 0760 0870 1260
 = AR

4735 kHz, 25-05, 0700 UTC

VVV VVV PROMRCh = 25 05 =
 1000 0790 0820 0930 1430
 1200 0860 0890 1000 1510
 1400 0870 0900 1020 1500
 1600 0830 0860 0980 1370
 1800 0810 0850 0960 1320
 2000 06 EEEEE =
 2000 0860 0890 1000 1350
 2200 0770 0800 0880 1180
 0000 0690 0710 0770 1010
 0200 0640 0650 0720 0920
 0400 0540 0560 0620 0810
 0600 0590 0620 0710 0990
 0800 0740 0770 0880 2600
 = ABV
 VVV VVV PROMRCh = 25 05 =
 1000 0790 0820 0930 1430
 1200 0860 0890 1000 1510
 1400 0870 0900 1020 1500
 1600 0830 0860 0980 1370
 1800 0810 0850 0960 1320
 2000 0860 0890 1000 1350
 2200 0770 0800 0880 1180
 0000 0690 0710 0770 1010
 0200 0640 0650 0720 0920
 0400 0540 0560 0620 0810
 0600 0590 0620 0710 0990
 0800 0740 0770 0880 2600
 = AR

4735 kHz, 26-05, 0700 UTC

VVV VVV PROMRCh = 26 05 =
 1000 0790 0820 0930 1430
 1200 0870 0890 1010 1520
 1400 0880 0910 1020 1500
 1600 0840 0870 0990 1370
 1800 0820 0830 0970 1330
 2000 0870 0900 1000 1350
 2200 0780 0800 0890 1190
 0000 0690 0710 0780 1010
 0200 0640 0660 0720 0930
 0400 0550 0560 0620 0820
 0600 0600 0620 0710 1000
 0800 0740 0780 0890 1260
 = ABV
 VVV VVV PROMRCh = 26 05 =
 1000 0790 0820 0930 1430
 1200 0870 0890 1010 1520
 1400 0880 0910 1020 1500
 1600 0840 0870 0990 1370
 1800 0820 0830 0970 1330
 2000 0870 0900 1000 1350
 2200 0780 0800 0890 1190
 0000 0690 0710 0780 1010
 0200 0640 0660 0720 0930
 0400 0550 0560 0620 0820
 0600 0600 0620 0710 1000
 0800 0740 0780 0890 1260
 = AR

4735 kHz, 27-05, 0700 UTC

VVV VVV PROMRCh = 27 05 =
 1000 0800 0830 0940 1430
 1200 0870 0900 1010 1520
 1400 0880 0910 1020 1500
 1600 0840 0870 0990 1380
 1800 0820 0850 0960 1330
 2000 0870 0900 1000 1360
 2200 0780 0810 0900 1190
 0000 0700 0720 0790 1020
 0200 0650 0670 0730 0940
 0400 0560 0570 0630 0830
 0600 0610 0630 0720 1010
 0800 0750 0780 0900 1270
 = ABV
 VVV VVV PROMRCh = 27 05 =
 1000 0800 0830 0940 1430
 1200 0870 0900 1010 1520
 1400 0880 0910 1020 1500
 1600 0840 0870 0990 1380
 1800 0820 0850 0960 1330
 2000 0870 0900 1000 1360
 2200 0780 0810 0900 1190
 0000 0700 0720 0790 1020
 0200 0650 0670 0730 0940
 0400 0560 0570 0630 0830
 0600 0610 0630 0720 1010
 0800 0750 0780 0900 1270
 = AR

4735 kHz, 28-05, 0700 UTC
VVV VVV PROMRCh = 28 05 =
1000 0810 0840 0950 1430
1200 0880 0910 1020 1520
1400 0880 0910 1030 1500
1600 0840 0870 0990 1380
1800 0820 0850 0970 1330
2000 0870 0900 1010 1360
2200 0790 0810 0900 1190
0000 0700 0720 0780 1020
0200 0650 0670 0730 0940
0400 0560 0580 0630 0830
0600 0620 0640 0730 1020
0800 0760 0790 0910 1270
= ABV
VVV VVV PROMRCh = 28 05 =
1000 0810 0840 0950 1430
1200 0880 0910 1020 1520
1400 0880 0910 1030 1500
1600 0840 0870 0990 1380
1800 0820 0850 0970 1330
2000 0870 0900 1010 1360
2200 0790 0810 0900 1190
0000 0700 0720 0780 1020
0200 0650 0670 0730 0940
0400 0560 0580 0630 0830
0600 0620 0640 0730 1020
0800 0760 0790 0910 1270
= AR

4735 kHz, 29-05, 0700 UTC
VVV VVV PROMRCh = 29 05 =
1000 0810 0840 0950 1430
1200 0880 0910 1020 1510
1400 0880 0910 1030 1500
1600 0840 0870 0990 1380
1800 0820 0860 0970 1340
2000 0870 0900 1010 1360
2200 0780 0810 0900 1200
0000 0700 0720 0790 1020
0200 0650 0670 0730 0940
0400 0560 0570 0630 0830
0600 0620 0650 0740 1020
0800 0770 0800 0910 1270
= ABV
VVV VVV PROMRCh = 29 05 =
1000 0810 0840 0950 1430
1200 0880 0910 1020 1510
1400 0880 0910 1030 1500
1600 0840 0870 0990 1380
1800 0820 0860 0970 1340
2000 0870 0900 1010 1360
2200 0780 0810 0900 1200
0000 0700 0720 0790 1020
0200 0650 0670 0730 0940
0400 0560 0570 0630 0830
0600 0620 0650 0740 1020
0800 0770 0800 0910 1270
= AR

4735 kHz 31-05, 0700 UTC
VVV VVV PROMRCh = 31 05 =
1000 0820 0850 0960 1430
1200 0890 0920 1020 1520
1400 0890 0920 1030 1500
1600 0850 0880 1000 1380
1800 0820 0860 0980 1340
2000 0870 0900 1010 1360
2200 0790 0820 0900 1200
0000 0710 0720 0790 1020
0200 0650 0670 0730 0950
0400 0560 0570 0630 0830
0600 0620 0650 0740 1020
0800 0770 0810 0920 1280
= ABV
VVV VVV PROMRCh = 31 05 =
1000 0820 0850 0960 1430
1200 0890 0920 1020 1520
1400 0890 0920 1030 1500
1600 0850 0880 1000 1380
1800 0820 0860 0980 1340
2000 0870 0900 1010 1360
2200 0790 0820 0900 1200
0000 0710 0720 0790 1020
0200 0650 0670 0730 0950
0400 0560 0570 0630 0830
0600 0620 0650 0740 1020
0800 0770 0810 0920 1280
= AR

Not monitored on 3, 20, 21, 24, 30 May

UM03 - Chinese X2M net

7920//8250//8410 kHz, 22-04, 0140 UTC, i.p. (logged bt JP)
77 77 CK 100 CK 100 TIME 0754 TIME 0754 DAY 2205 DATE 2205 =
CQ DE X2M MSG ENG
81 81 CK 200 CK 200 TIME 0857 TIME 0857 DATE 2205 DATE 2205 =

UM10 - 10-minutes net

This old net is still alive and kicking. It has been a long time since this network has been reported. Thanks for the logs JP !

4116 kHz, 18-05, 1858 UTC HDNA (R10)
4116 kHz, 18-05, 1925 UTC HDNA (R10)
4116 kHz, 19-05, 1651 UTC HDNA (R10)
3542 kHz, 19-05, 1651 UTC HDNA (R10)
4116 kHz, 30-05, 1724 UTC HDNA (R10)
3542 kHz, 30-05, 1724 UTC HDNA (R10)

DIGITAL MODES

F01

F01 – FSK 200/500 Mon-Fri schedule

11414/9317/7572 kHz, 01-05, 1015/1025/1035 UTC
89123 03811 16849 46482 74021 19356 63038 85666 40712 54585
87807 51356 72023 93725 37754 78854 31078 60385 45835 82544
12712 18353 54122 63373 49659 46327 06171 64484 59478 16249

57464 17188 43125 29944 77367 44443 71130 93751 41007 14050
18309 35828 34542 58735 32945 95808 22249 05326 51385 41532
48857 80179 93977 92491 75581 83087 03301 54719 73274 46810
10611 96777 21155 24448 41453 21559 84534 71838 96364 13566
69991 17147 67621 66374 81411 34864 77947 19955 25360 66382
52145 62545 39196 54336 57563 76764 40385 82905 74355 34651
20440 23091 00000

00978 08278 94843 63207 33585 07803 13105 48611 85693 66726
64380 11993 56274 81245 11363 50383 23326 80589 71368 81196
03101 66884 34397 26284 39105 03940 25822 19130 06840 84650
62145 77377 45179 31700 73259 07877 50370 11248 89642 36444
93547 64295 17945 79503 47731 85419 53381 99822 35237 03546
02382 13516 31424 44474 13935 40495 85736 79818 43055 15578
45966 92063 94821 02419 96671 10425 22420 77464 47699 97196
77621 76114 33738 89269 37149 18277 10843 24522 53347 55505
60878 24081 00000 +++++ +++++ +++++

11414/9317/7572 kHz, 02-05, 1015/1025/1035 UTC

00000 +++++ +++++

11414/9317/7572 kHz, 05-05, 1015/1025/1035 UTC

71337 22369 21868 81618 19422 67469 46842 84219 22968 46680
97932 46801 31139 62697 44268 68208 79300 71547 40752 71860
04012 28815 02985 99107 03795 60979 07668 30026 36811 22778
23195 55086 72973 26547 00095 46148 42650 54474 76031 00204
49132 89692 75043 54310 37062 27163 05704 95157 34002 50281
87897 11697 07340 84143 62898 64275 03709 61407 66433 68712
63121 61691 69425 18755 24988 10448 16095 95347 68226 48239
14117 36158 52638 06370 56514 63795 53740 49800 79975 96151
08240 73282 89290 87319 12351 61654 02577 72502 40113 50239
97009 15374 73936 46272 59711 81314 64525 97301 73518 84964
62398 17502 92286 85526 88159 07833 85447 28270 33749 30989
56476 55650 11818 27061 64986 36509 95448 80867 07115 86764
15387 76879 33904 80056 06987 02620 12352 71757 24047 86900
58827 84811 61725 82561 99543 30818 55733 31765 37759 64812
49978 72670 32409 97176 49849 74693 17853 11108 03349 12865
19420 59102 77323 17290 44440 36870 20319 58635 53456 58138
31321 55599 &1298 78763 73081 15282 82702 43601 00709 42411
22177 54564 95626 78346 12792 83315 22763 55813 33574 77022
53081 80290 40212 30614 18628 73998 28751 23985 92288 43424
16950 47573 09433 56315 73016 64757 73650 39089 46387 84508
13748 30579 80242 42726 84209 53084 10454 15716 26297 86620
80640 14221 31986 57350 28025 31466 77918 76094 19784 43635
21565 87892 44567 86241 76777 18530 88883 54793 10930 28969
53038 03235 30823 13641 86307 38564 49550 03512 46038 35087
51504 59877 10360 16734 97717 69813 99202 80881 38726 79229
83298 62118 27131 24452 85856 59384 47064 48284 06611 74932
02731 11473 22908 38538 33223 35528 47539 15407 45789 37820
47998 21203 84749 44905 56851 92654 78242 95011 27904 87151
29992 65617 17866 09792 48280 87072 98179 91306 29313 28183
26723 65299 37175 64714 34058 18237 47545 66737 03914 10642
47376 65762 52602 92898 07711 87592 37045 64139 71840 61839
46098 47626 25974 44037 54870 81077 44619 11290 46708 45375
27858 17395 32559 80080 72697 18367 22367 59215 45702 04327
28222 25724 49073 98654 03929 08072 97375 10386 50685 67405
47100 50752 43569 48719 46237 49826 58508 34460 96068 34202
04430 24018 42345 51649 90267 87526 38046 53670 81522 67416
44918 71915 26068 26168 65957 49375 53870 63683 26049 12299
80326 52734 42927 93769 67910 65905 55664 44886 25791 92484
02861 94467 52142 68728 67732 43238 48810 69949 32281 03424
63026 37849 07729 19689 35867 41551 33417 32366 62131 95756
61344 68903 91340 84469 68538 74474 24531 63725 64446 17683

86537 41761 85537 32308 78456 60060 94291 81017 39964 23723
24774 51989 76193 54581 41984 24391 28846 65513 07152 63629
96228 79375 66188 32336 31906 41016 03461 28009 76650 95779
28090 25441 00000 +++++

11414/9317/7572 kHz, 06-05, 1015/1025/1035 UTC

19017 96575 14912 71743 68771 78943 83314 39442 50061 71159
32113 16458 72409 30088 66892 12026 63610 77784 88333 56591
86010 51637 86673 92810 85304 17104 49142 31512 64038 26029
00000

77349 39407 32532 65192 52955 85492 98827 54048 74267 27887
43390 06892 24085 82225 27567 21353 20030 58956 90298 00605
95327 85995 55119 57117 61321 40064 80614 33694 56423 10162
71521 27736 11166 41602 92668 29660 84060 34054 52924 11424
47948 92026 51359 26074 31518 51222 02804 04277 45693 29223
84982 58753 49568 73917 74423 32568 35581 08125 63320 52194
38620 93845 74542 71310 98727 64580 16976 16251 32124 99150
48381 69057 90204 35466 37961 49065 11217 47662 45825 78958
94310 35061 61530 46244 50619 96384 68894 96062 11101 87658
29267 16294 95786 87242 00446 00876 74156 16435 33420 02296
71305 89069 14141 09163 99606 88565 42491 09837 20543 95850
65654 28004 66406 16596 08066 41190 76546 81217 65132 18099
27857 16055 52905 35746 64190 09189 30908 62319 54380 19322
40280 16688 33573 01161 24459 40518 07540 45746 24554 43923
24669 59153 66622 10582 45319 28015 83023 73267 63225 45297
35048 27151
00000 +++++ +++++

11414/9317/7572 kHz, 07-05, 1015/1025/1035 UTC. Very poor signal

06772 00360 18289 32891 30821 70684 74117 02123 72625 84014
92664 06198 08981 42070 46275 _____
_____ 04799 79374 56124 52711 92254 60034 09444 34931 09082
11001 89332 14245 77958 81668 97819 _____
_____ 55567 49428 49184 65680 89015 96318 42735 33141
45846 _____
_____ 89476 15688 03630 _____

_____ 49036 06481 47145 _____

_____ 11116 78651 93281 _____

_____ 66928 97156 98202 16331 13492 66970 73156
25119 50492 32015 72327 59366 56925 56485 37756 _____

_____ 23132 19344 08829 62295
04282 34780 _____ 55335 03773
66511 20672 07426 13920 99997 73248 52949 39417 40211 54646
45103 43487 64469 32496 02187 93385 62838 01039 90018 66231
36020 14354 06795 67040 54287 24750 93824 76157 63381 56029
20579 _____ 17505 70179 91089 80012 55014 49564
83025 93962 92118 51836 78043 86851 43116 27373 97436 87191
35792 16247 22308 79176 59556 82670 34527 51241 _____
_____ 50354 63079 33857 10250 63439 04100

_____ 99085 11675 14714 94979 69517
72634 87261 15097 50271 43562 09246 19456 32832 03054 54479
56291 29240 40668 92615 58126 98370 07122 33847 34002 50846
75403 89331 88372 87229 61218 61746 02591 49216 76320 16528
39929 88502 12965 87038 60080 83013 33113 _____

42754 12777 17102 56581 02261 92113 73879 96298 56840 29257
02205 57921 99598 89615 03526 95634 11204 00232 06567 95719
11316 75691 40691 62093 80043 94151 59745 54291 41605 84393
21079 01331 27382 09846 49434 39883 60559 60526 40380 50210
29529 88823 82988 88285 42258 50070 06430 37545 78792 33831
80193 28706 84101 96862 22598 01089 68437 33656 97292 03883
07399 45530 02442 60782 58897 94182 82259 46452 39199 50665
15607 48237 25238 75694 61319 11567 75384 92256 64968 92488
85864 36430 56724 65764 25001 97370 95034 61977 12485 82391
35777 32078 35846 68079 31597 62801 21321 23391 91103 91413
01303 15641 52622 93199 45565 35362 52177 40157 48430 00929
90407 54300 89097 28914 28091 04050 07293 81109 64973 17110
61443 24133 81581 08300 61554 62578 48716 45756 93984 31638
34304 03954 80305 60131 62304 76980 37421 39887 03353 50507
31156 31401 00000 +++++ +++++

11414/9317/7572 kHz, 13-05, 1015/1025/1035 UTC

10338 23438 17649 63252 43904 34896 76180 77628 02036 44968
64534 13971 79540 26205 13027 36617 36957 50516 02270 28975
68053 45410 38141 37117 61566 21432 82715 93161 61858 94225
58330 04383 58199 49665 66993 18972 57342 25492 92300 04401
19086 07887 76069 99322 59518 66425 86862 24939 51621 75851
22592 66784 77923 98101 14396 62853 14895 23020 23974 59013
53764 91204 51558 17644 87455 47421 96730 90429 18317 98014
39247 91257 66343 70772 32070 30145 82575 00655 23809 94142
97358 89847 52721 86145 58152 15575 79503 57555 36584 84090
51024 32091 00000

98788 23614 86754 42986 78924 18412 69137 85814 92484 07416
40776 80123 59737 97894 42678 29256 63975 14204 11049 61391
56811 42995 97091 97262 40520 63678 13067 49222 07116 62575
96814 12596 38863 54206 11917 35253 99894 58133 25698 76345
73631 04818 32236 90133 25692 68915 12592 95857 96980 53445
49423 19575 56627 73285 38186 18912 69496 11414 62104 26660
57915 46343 23094 74157 62342 74187 45837 80394 30641 73789
97185 17783 90657 88358 88077 90513 85784 22044 50176 86457
78203 74891 04387 88536 49491 64612 63465 56501 53268 08612
35894 15068 99598 64704 23215 09321 75806 53955 28006 33099
00000 +++++ +++++ +++++

11414/9317/7572 kHz, 14-05, 1015/1025/1035 UTC

Message 34
Largely unreadable

11414/9317/7572 kHz, 15-05, 1015/1025/1035 UTC

68095 61402 98198 43746 55708 43606 83305 06829 94317 29889
67149 19332 79009 43032 75317 42657 59147 16637 84784 81486
32135 82723 55626 11069 23615 91449 23368 07737 83772 11395
94168 93572 54446 83855 10027 31182 86723 29572 76190 29496
13711 31345 67963 46549 08174 40960 59091 00166 79718 35049
00000

39220 64561 61373 95111 32918 96169 51704 91695 57966 19460
95413 31596 89530 64046 84498 69402 48577 49871 69228 84267
44906 71131 21541 15644 49586 27181 33304 73336 38962 11347
04129 95309 77441 93583 98413 51684 31228 57921 76325 18365
30210 80632 28386 68732 20176 60062 68359 56842 72546 34050
64132 90559 43816 45893 11268 18082 01895 44778 78918 76267
61521 31627 82798 74226 95956 86284 64887 10598 17124 36999
84560 47960 41400 58118 50835 92801 83241 06948 50417 54504
43820 35711 51232 81755 86873 39539 86138 99855 18948 26436
46497 97326 16226 20154 40299 35283 65115 31912 94521 77993
08807 61909 06424 68066 16964 16553 73441 94710 20756 52347

56391 28490 80404 82380 55662 21027 77435 06355 05078 93082
48831 50073 13130 59451 05261 25352 06256 64113 00580 46272
53858 24074 44790 36133 00000 +++++ +++++ +++++

11414/9317/7572 kHz, 16-05, 1015/1025/1035 UTC

00000 +++++ +++++

11414/9317/7572 kHz, 19-05, 1015/1025/1035 UTC

22481 51316 79511 43130 12276 27347 44832 45103 46535 58398
87846 43773 81985 66760 88228 53694 47331 50614 85209 87603
64145 82251 37389 99213 79577 65365 77950 03053 84315 18613
01230 51050 14245 77635 41565 70538 59225 32726 30373 93372
27442 44321 42378 30857 38761 03525 66950 74146 45523 29822
65469 24837 04215 23207 00662 85410 46463 12874 48854 64236
22773 69693 31071 74804 17470 74634 23913 33890 58257 60339
36169 88333 68853 68023 62073 25109 38120 86898 47176 44399
04144 68302 27736 00328 76684 31727 29594 39070 46455 04917
37455 89003 54637 65252 70514 82605 21107 74576 25372 14766
54771 24678 72170 67228 94488 35595 14890 53813 53976 73948
51743 66149 69176 83475 96605 24562 71483 44959 47417 63839
35303 07744 12491 08544 73354 60014 30681 17557 78172 30038
46319 02558 33228 35543 24888 50113 42127 23442 20346 02065
49306 67057 30055 73905 50668 13072 98239 15837 17603 95361
53922 46183 82818 57913 94262 11858 61431 54016 49254 55574
05743 13906 88695 94469 17149 98049 57395 39858 63613 78278
49523 12771 76147 13916 58075 34991 22728 15137 60360 00265
83097 10705 25465 55374 72876 62298 54632 45761 90437 92607
90478 05386 84959 19381 56005 95519 69120 12626 09328 22144
24853 17134 25066 86651 75601 07530 38331 49538 23527 68026
12251 11768 75083 14073 14964 43502 03415 98084 17025 14878
21006 66449 45163 08531 61024 59977 53314 18536 90790 75010
96886 65462 05814 27350 21181 82239 77832 86217 99911 50495
55299 70410 84759 92083 39740 23861 51896 45465 86430 12770
56429 81649 02831 11516 30678 39365 43203 69520 87249 84161
22870 76255 12830 21123 00526 66580 63637 15881 02066 33609
98469 03622 84341 41272 10295 90757 62309 53778 42307 78975
47988 24163 99394 66325 74669 09094 90956 05051 04823 02149
66003 20850 45130 02726 26484 23241 17084 62791 29766 61733
56589 78647 16218 07488 41011 19904 22831 65153 67095 12847
68801 44560 28211 20387 24035 46970 64341 85781 96494 45569
83273 32312 99329 64870 76408 36099 83733 88749 77643 14262
48461 51766 38756 95588 61934 93479 19731 65914 57900 80442
17465 05398 90544 25554 81285 59876 60024 59461 88730 13492
44349 33708 80008 54773 98542 60301 74601 53365 07029 17392
18422 89583 00179 75761 34978 03999 70958 25793 78984 59221
52601 09613 15847 31079 43268 88108 75463 71379 88601 97486
53780 09449 58142 75072 60542 84609 76521 59034 36671 26825
95378 91723 89700 27659 16940 81316 20732 68760 05192 01437
41319 00059 45943 36073 12387 84847 39264 37407 00000 +++++
+++++

11414/9317/7572 kHz, 20-05, 1015/1025/1035 UTC

08826 25753 68458 62680 14050 81107 37009 92353 37149 70966
61520 08077 67041 04044 81233 59446 93672 14920 68255 77968
04431 64823 25184 33937 12286 01095 76193 60597 20356 98779
68759 31535 52595 32794 28219 02219 05273 54090 32349 51648
98945 68260 98153 85031 35605 40026 98043 83437 90690 72039
47596 11358 94644 31439 32093 18119 83718 22598 64003 94072
24695 29504 88621 67520 43227 76195 80030 53284 10477 78714
94586 38071 00000

43241 44002 36034 84626 31219 14561 69422 90762 39016 44908
06787 49775 15251 33001 87211 78548 26630 98865 18315 27645

63356 55410 49093 39293 97770 45363 73335 58189 07143 99001
37036 62331 96571 92376 48254 06051 82909 10708 12849 92447
25670 46645 44531 17399 15832 88077 22672 52340 58508 75188
96298 58009 10386 31424 57720 46326 57893 98086 34227 32609
47030 27223 71277 45309 00794 12501 05645 85453 85137 62764
51932 52983 09405 47947 50905 82169 72171 72045 53078 53302
88441 52819 35998 39083 00000 +++++ +++++ +++++

11414/9317/7572 kHz, 21-05, 1015/1025/1035 UTC

Too weak to copy. Probably message #40.

11414/9317/7572 kHz, 22-05, 1015/1025/1035 UTC

20409 21255 24287 60450 06165 83660 62957 79501 92317 80915
41756 36391 92704 69880 58332 61136 41277 14612 79528 95734
61960 79448 25551 08781 10501 81960 53466 06669 99211 60448
13439 08559 40572 35678 76170 77305 70606 71544 54960 23530
37995 64348 70840 25018 69836 15374 34207 28648 50007 66451
41397 27020 71066 03201 09644 26976 45624 55634 98845 52210
88119 50811 93596 47143 02954 97233 43896 74252 39901 05663
87999 22055 02746 76051 05828 65912 22080 05280 76383 48861
28196 95374 37608 74646 85019 41085 00000

55130 44146 38963 78856 17918 89075 38394 49041 29614 29446
39836 04880 05364 58048 67570 44405 93501 82449 63899 76478
00033 16151 88685 37193 64386 26088 00613 14966 78617 97423
24882 07757 67266 01558 37021 60853 70036 78298 17493 58668
94503 68132 56787 68963 31023 55526 15697 62967 47036 09208
70454 59799 02959 30353 97414 68651 56836 44616 76980 27161
49961 98954 21454 59414 90626 49172 56501 02013 78221 49117
10914 71645 34836 77485 94363 72601 36585 63159 67828 67665
61813 95009 36390 60821 98392 27120 19068 65220 77286 15349
75408 54832 24565 46184 93485 42095 00000 +++++ +++++

11414/9317/7572 kHz, 23-05, 1015/1025/1035 UTC

00000 +++++ +++++

11414/9317/7572 kHz, 26 and 27-05, 1015/1025/1035 UTC

Not monitored

11414/9317/7572 kHz, 28-05, 1015/1025/1035 UTC

Message 45

File not decoded. Very poor signal. Ended with 73266 45421 00000 +++++ +++++ +++++

11414/9317/7572 kHz, 29, 30, 31-05, 1015/1025/1035 UTC

Not monitored

F06

Link 00000

12211/10576/8075 kHz, 03-05, 1700/1710/1720 UTC

13396/11123/9089 kHz, 04-05, 0830/0840/0850 UTC

11100 00000 65893 29020 02039
45252 52531 50782 42437 83409 30193 40936 39843 90617 02186
55958 66706 66038 96425 70950 51160 88394 71838 82080 56724
63744 75970 88381 60087 58113 26915 95140 36786 69683 92995
06061 90750 20215 68637 96367 88614 70398 69868 84070 84764
88819 97890 41558 48039 29221 44149 14700 26034 95757 35345
41669 07930 00921 41830 88654 71808 45837 97814 44651 27369
77602 06830 42525 89991 03370 30883 98532 47090 65852 86737
87489 02689 09945 97765 95758 11151 95141 74800 19279 36016
33450 24428 98774 94864 57470 08168 09387 76156 48348 00954

46863 38982 78267 22386 77532 31660 47196 39160 44230 90118
18541 62136 45369 02002 83425 86465 29341 47434 08271 48230
71443 52385 45358 96010 25505 15565 11067 00851 67411 94796
61484 53019 72712 63800 20056 19044 95496 75313 36984 57419
40723 91514 85041 16461 47199 67652 21505 62709 23395 99845
70891 13353 03262 72978 08177 71076 14278 69626 47195 84807
74874 25961 63895 84761 63446 45560 09157 65249 26140 07073
90836 13678 15585 26657 29746 09174 77783 61151 19238 39278
29324 62905 43097 08144 92114 22199 31417 34671 77826 58209
59153 64031 39234 44439 17044 40991 30626 79564 09571 18510
44500 39621 59669 00012 16706 72486 24861 38796 17236 20574
54495 20201 00000

12211/10576/8075 kHz, 10-05, 1700/1710/1720 UTC

13396/11123/9089 kHz, 11-05, 0830/0840/0850 UTC

11100 00000 35147 07021 02159
95940 10478 72808 87994 83071 86637 32608 64327 63025 35963
17535 33094 90700 09479 40402 21810 95942 92717 85390 08979
34224 52858 12489 90021 35073 74631 05775 62456 46698 77183
26489 34997 00243 29087 56825 90266 42097 03682 45383 55811
07724 41930 90219 63105 35422 14990 20436 99226 43470 03672
62233 80898 19078 36987 00382 05588 92610 56956 71039 59325
95482 01883 46851 85974 25195 25266 00271 47591 65936 92549
56049 30600 38182 22888 68814 77451 75741 68115 86688 48457
53682 46120 86877 43486 15567 70790 94168 38216 73451 45735
18283 14620 79066 13961 71002 90376 89633 80691 49030 76900
76745 51522 93499 20664 51751 53091 62095 07517 06079 28462
74694 34675 89946 24395 18490 80077 77876 12703 23524 23784
94476 12880 44562 01130 98903 08182 10261 92282 51456 72353
25553 77936 10743 49188 38193 15784 34844 52108 05403 17497
84918 75950 21550 30868 54692 38144 92801 56822 74257 91473
69684 55981 61632 75615 73497 24458 20508 99620 77504 43585
07623 72553 28851 33256 18210 24452 22147 63557 62938 84820
60638 04402 34807 10812 65915 17832 89410 82324 22104 22684
87020 06162 65452 86307 69924 96476 55273 23020 73457 23666
87172 03989 94157 48906 34498 08228 63488 86531 28944 69390
00572 61419 16265 98052 42354 53591 48013 84178 74656 47207
95253 09437 12541 21213 00000

9962/7709 kHz, 06-05, 0800/0810 UTC

11100 00000 16485 30088 03379
29586 75039 43917 43175 72806 07708 41180 54458 30917 91022
42944 96160 38529 97913 88252 10457 16251 55128 04368 76303
47122 94149 05125 19980 23067 52214 39780 78074 53559 84374
97030 36339 53670 72514 93904 92874 53715 42298 04193 19054
97652 23945 06128 16653 22451 17807 53977 94594 35600 50658
03267 13773 32948 33646 44285 73371 24062 57847 23596 37128
57295 88347 58206 22979 61751 42804 72119 04513 48325 65410
09916 97687 37016 32217 07094 31234 02700 48729 21821 24187
56542 25733 57803 18986 05247 44277 32961 43577 55320 45758
73581 00960 54544 08032 38658 09609 87849 93511 04087 43214
69758 80158 61412 43178 00608 11334 10821 02296 78726 25434
53049 43071 85754 51240 09910 39098 87297 79935 28122 52948
16098 49721 46122 88988 29914 03962 28559 84594 61298 08805
98143 88167 01450 41216 19559 97408 85338 83354 15100 56289
70294 84237 16743 34143 25227 74627 84330 35329 72691 46078
44551 12899 50962 30079 30415 84700 88322 38233 25894 75367
06744 49414 45441 32621 97146 54822 03045 91323 33433 96898
50532 83730 17478 63018 89793 19364 72260 19907 88620 82958
25332 99723 54844 23904 49795 73730 48467 35640 55003 74507
36462 48418 44145 52632 19940 83886 80908 78777 88370 44929
32427 27150 80534 39196 80666 01216 56906 59757 19472 87652

13148 71329 79434 49454 89408 75503 47788 94142 55102 53418
75500 78005 73873 09301 88772 32314 78416 63338 47110 22444
09852 67297 15170 75853 01336 41328 40560 39835 10598 55408
54786 54999 31095 03848 39530 55413 36463 46298 25447 31340
37953 13704 15670 15513 59552 02632 51209 78875 60458 06415
60434 46747 59614 56559 59824 71318 41974 72827 98172 21442
51197 45464 61444 75646 98455 97981 80458 29307 42042 03951
08589 51914 17468 56233 61681 55375 22734 12090 37352 59299
88464 62615 55880 64175 87596 99909 89862 68413 64305 80459
74828 90163 86847 08136 17999 79855 54035 85262 47373 34406
09991 05189 68346 49015 46906 84800 20017 67504 00467 60419
48409 17126 67647 95500 38757 38778 01551 73606 74072 48574
62992 75053 12168 91692 33503 88335 00000

9962/7709 kHz, 12-05/13-05, 0800/0810 UTC

11100 00000 17286 07089 00739
68279 39861 67773 76030 79166 21034 70896 95824 88392 65212
15907 10904 61090 51055 36115 62893 55759 97903 37375 01836
01489 20605 15970 94382 32687 71940 14495 21937 73526 33585
20405 92165 89279 41543 36938 12339 46736 56990 81076 97913
50893 18463 88255 14816 50101 36338 28496 78844 26852 15529
63647 60649 16401 17347 00436 69709 20408 96455 18993 15748
07786 73865 81571 71037 19947 31896 51114 82009 22622 42053
74382 89071 00000

9962/7709 kHz, 19-05/20-05, 0800/0810 UTC

11100 00000 23451 16090 00759
98334 40071 23541 28714 88171 50700 01004 23066 22356 69997
20505 41429 47263 04028 58350 70190 94115 80366 84711 96708
57201 32930 56541 17634 54218 97448 63707 13340 17187 59782
39292 43157 87366 24248 69984 41095 12610 94150 67512 16739
70603 81721 87040 91009 66415 89624 03486 21475 77804 31239
81676 96900 46719 81902 01298 05725 40420 78290 22559 08146
30677 08133 03519 66512 64464 57449 05017 13702 24601 07494
44128 64173 03765 90073 00000

9962/7709 kHz, 27-05, 0800/0810 UTC No transmissions

9962/7709 kHz, 27-05, 0800/0810 UTC

11100 00000 85203 26091 01279
07050 45527 25432 12291 56908 24893 80753 21876 72353 52909
40689 50425 07406 29428 28309 07306 53980 14499 21178 41943
42206 48673 46642 88992 09969 19505 08066 68273 46389 97673
59214 25445 38913 91179 68969 24330 78697 91038 43567 26839
03990 06926 98535 21436 86183 16188 97537 86067 88231 74676
00282 96508 50113 62839 86717 16052 81045 65499 49676 27487
63109 08759 73164 93294 95994 02476 38482 55011 37551 61743
25365 07682 19815 05808 00335 10353 45224 57869 09441 18539
92689 94192 17585 49593 88218 15982 61615 16936 19776 42436
09379 94054 01076 48441 41918 94242 13977 95321 00998 76980
84188 28107 69153 16933 69961 37726 74443 96462 68449 11589
37104 07637 69443 20986 00274 74623 11147 18734 11998 32451
17701 45519 50686 23044 23119 91125 00000

Note how this message is dated from Monday, May 26th - the day it didn't transmit yet. Usually messages on this Monday/Tuesday schedule are dated from the preceding Friday, or even earlier if there were holidays. (PY)

Link 10053

23129/18763/16255 kHz, 04-05, 1530/15640/1550 UTC

11166 10053 15487 04001 00049 00000 00000 00000 00000

23129/18763/16255 kHz, 11-05, 1530/15640/1550 UTC

11166 10053 25813 11078 00049 00000 00000 00000 00000

23129/18763/16255 kHz, 18-05, 1530/15640/1550 UTC
11166 10053 87531 18001 00049 00000 00000 00000 00000

23129/18763/16255 kHz, 25-05, 1530/15640/1550 UTC
11166 10053 15948 25001 00049 00000 00000 00000 00000

22893/17455/15651 kHz, 06-05, 1650/1700/1710 kHz
11166 10053 74523 06001 00049 00000 00000 00000 00000

22893/17455/15651 kHz, 13-05, 1650/1700/1710 kHz
11166 10053 95621 13001 00049 00000 00000 00000 00000

22893/17455/15651 kHz, 20-05, 1650/1700/1710 kHz
11166 10053 25813 20078 00049 00000 00000 00000 00000

22893/17455/15651 kHz, 27-05, 1650/1700/1710 kHz
11166 10053 97531 27001 00049 00000 00000 00000 00000

Link 60070

14373/11411/9965 kHz, 06-05, 0030/0040/0050 UTC
11166 60070 25813 06078 00049 00000 00000 00000 00000

14373/11411/9965 kHz, 13-05, 0030/0040/0050 UTC
11166 60070 13467 13001 00049 00000 00000 00000 00000

14373/11411/9965 kHz, 20-05, 0030/0040/0050 UTC
11166 60070 15948 20001 00049 00000 00000 00000 00000

Link 70059

12219/10448/8139 kHz, 05-05, 0400/0410/0420 UTC
11166 70059 15487 05001 00049 00000 00000 00000 00000

12219/10448/8139 kHz, 19-05, 0400/0410/0420 UTC
11166 70059 21456 19001 00049 00000 00000 00000 00000

Link 70202

11163/9271/7532 kHz, 01-05, 0700/0710/0720 UTC
10523/8129/6947 kHz, 01-05, 1200/1210/1220 UTC (1200 + 1210z wrong 500Hz shift)
11166 70202 16485 30020 02059
44113 07445 17498 32331 42221 59888 62181 32812 53681 81114
81196 58618 67931 36157 63952 52970 56902 38851 25491 95442
15323 22085 01522 95906 24161 23783 22074 81531 79404 99546
18448 50301 53359 97890 43155 89456 80652 59018 07536 82333
86133 23064 66736 52002 96851 58753 06740 15171 05312 48404
13135 44778 76177 90216 26309 64711 13627 03783 12758 25094
31534 49761 07189 31576 93674 99642 05124 27068 16137 16558
10667 49350 49127 33054 69139 13001 80354 36778 39271 89077
27192 00018 84618 80989 09788 14018 88920 20000 22325 14024
25059 28795 44611 05984 32323 26553 61190 30852 81663 73960
80156 27419 33622 81603 68870 79626 18618 30177 48749 59282
94296 75946 16329 00126 59607 39903 82791 64181 30310 04045
49120 86330 05596 63227 59103 08048 80507 06020 97348 36232
83846 22993 24506 88072 46263 65897 66885 07888 28197 06156
02658 66879 62381 66099 11823 81723 90579 21409 82138 12959
99245 98180 88188 29088 83800 13049 85788 47346 96211 29828
88905 87061 55556 31086 21292 96552 26263 28100 60005 39504
93713 57623 13017 51743 91901 38917 98084 04369 62826 89461
15093 34166 52306 22806 29021 27246 71916 76975 05758 66835
81720 46891 67929 81177 73490 19226 62934 52458 59107 33139

60376 72706 93817 20203 00000

11166 70202 41532 30021 01919
69541 41214 19881 13872 07825 26219 29535 68789 33134 93785
09475 64057 12629 33492 51500 53288 62390 40864 83812 05284
40464 51311 84402 89768 69282 21023 29320 37447 29684 65786
30478 47808 93693 93642 42707 43119 88256 92333 44727 92059
07130 57467 23740 51407 13093 72348 18314 99241 97681 75403
99266 58078 90636 76140 93214 31385 36233 05582 78492 01921
78702 12111 08117 65317 23921 38658 39496 97363 69556 42182
75562 78411 20853 41367 47012 23347 34257 03481 90355 90574
56059 06331 01449 68433 48238 36260 69203 62493 18710 08108
19161 32178 98146 18087 21616 50123 30574 65504 43978 82746
69925 04269 52059 15431 99730 10123 89974 70781 18153 74532
93345 93387 55528 61172 15491 99519 16627 85954 71290 15211
64798 06519 28414 51156 90202 32142 00605 87858 29314 89989
22693 69469 27875 08659 12046 29766 64502 04934 46118 98679
77118 84711 10817 62843 59406 94019 99341 78570 19471 81071
66212 60716 17893 55294 66151 95856 27368 54262 32520 53217
81113 54486 74994 91798 02233 86981 01166 87127 31222 43560
91751 26072 93810 84786 84114 43170 76325 85523 43760 96883
00752 79021 28518 09252 16702 85477 75084 17340 52452 21189
00000

11163/9271/7532 kHz, 02-05, 0700/0710/0720 UTC

11166 70202 64913 01063 00049 00000 00000 00000 00000. Wrong date

11163/9271/7532 kHz, 05-05, 0700/0715/0730 UTC

File 44422 (binary contents)

10523/8129/6947 kHz, 05-05, 1200/1215/1230 UTC

File 44422 (binary contents)

11163/9271/7532 kHz, 06-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 06-05, 1200/1210/1220 UTC

11166 70202 19872 05023 01559
43841 98680 58307 42776 17835 86801 75514 41044 16323 44966
44868 29976 19363 89848 06644 70494 04290 46763 55650 52836
78224 05983 91569 91985 73970 95951 53762 45462 57719 15576
51487 08167 22018 92791 25467 63961 62415 61579 01738 98673
61254 74634 23728 04220 27012 93858 73488 28522 62661 25883
18024 50922 61459 94782 41662 87760 53624 69202 50394 57828
52324 86054 59119 62364 72422 37985 97748 59293 20410 16803
97083 36388 78972 30053 40423 13044 34620 32914 91825 25360
21820 42627 36979 74199 82076 27620 97590 40934 61381 88535
05264 00547 94488 73334 45776 86787 49438 93672 09712 89064
30770 34735 10368 85766 64875 75711 54900 43693 15903 63105
79612 38289 05679 04065 85354 74364 36059 71915 33950 11991
37171 41096 91601 27267 89962 93662 30197 62623 96508 64579
22475 46376 96511 17952 91968 86201 53424 71412 03672 66224
58644 10836 06367 02407 27213 62575 62552 35926 83453 15401
26902 69230 59984 23153 00000

11166 70202 96752 05024 02199

92543 98490 27938 14288 69363 25160 50212 50652 78004 11740
46350 79486 22567 34851 55109 47779 78986 54134 49461 69282
35534 83474 36507 42867 78329 87337 82892 98314 14068 63139
70389 92990 47136 95579 11343 07837 53312 93894 78671 16115
17235 47956 30104 23339 25832 64151 31343 01844 34887 66989
07840 68412 50950 77366 79871 78411 95751 03430 60607 34868
45337 04974 21848 35922 61092 17313 57131 09102 54843 45560
96886 05844 55241 65259 55327 54713 67585 90295 13772 96749
44309 94033 70075 51374 08284 94614 08860 86311 96147 40349
72240 89942 13846 56147 35721 69542 21556 36921 18953 23831
90204 98894 86046 63284 96747 24769 15123 76625 50405 63662
41789 66956 67055 71778 06223 05950 33938 04737 58566 79544

31898 97496 02303 23586 07325 92818 80307 72842 10987 04196
33269 71838 45956 24200 85152 20944 91789 14171 35407 56152
97179 36193 62598 85988 58239 13298 69151 33982 24630 28815
21900 60149 00696 00838 68115 59907 33818 92710 31719 63876
07157 45493 19356 86997 78970 43337 91018 00393 35719 47708
74906 24435 51108 61392 31216 66430 68289 08227 94542 51377
47387 39493 49580 19226 45546 02899 19812 87076 21685 35107
73876 99762 83146 63729 79300 17245 16432 29732 58271 12263
69194 66189 25162 76674 75704 94323 10474 59929 42945 22766
00891 88102 39552 60977 50140 36938 54766 24217 00000

11163/9271/7532 kHz, 07-05, 0700/0715/0730 UTC File 44425 (binary contents)
10523/8129/6947 kHz, 07-05, 1200/1215/1230 UTC File 44425 (binary contents)

11163/9271/7532 kHz, 08-05, 0700/0710/0720 UTC
10523/8129/6947 kHz, 08-05, 1200/1210/1220 UTC

11166 70202 34285 07026 01839
40151 95898 98302 65095 80173 22403 99022 90832 25325 59279
83032 29259 10405 54814 38234 27179 80951 69189 03011 38886
95307 03577 05453 91039 92807 59794 55418 11718 82758 03980
56614 59557 33910 32693 30876 13936 69103 64903 71854 12125
94783 08292 70275 44348 20057 73307 77972 42695 44991 33417
02874 24814 22844 54978 52138 78329 25900 45186 65621 96924
69607 91517 06857 04009 74710 91122 03752 24935 72048 93587
56173 93681 79726 05523 52616 04943 07330 30399 63142 47574
66882 42075 00773 80315 95223 15458 68532 35742 17512 62725
34318 63372 06509 48555 00791 47876 17374 82794 62474 63315
02618 14010 67249 49357 36928 72347 24427 20405 06540 35158
26592 43561 42852 13805 77408 46394 04964 85101 42562 40411
40824 15819 66038 71205 81682 53694 18922 31186 49535 83382
72901 95859 82235 70786 15667 69571 05975 44201 50391 51660
09812 85717 46484 58966 01943 31309 33794 65616 52394 03057
57466 46038 51830 21935 35622 32129 41162 74597 87067 20528
91641 32619 21202 90916 40138 47598 07321 21302 09267 70585
65508 11196 67084 69271 46292 48658 06005 41352 91255 82110
45655 26181 00000

11166 70202 96352 07027 01819
84266 86026 16681 70647 26132 67560 98570 17142 73412 25950
40218 72594 80393 77724 24720 29805 72678 33868 96924 37605
92339 69378 29931 27091 97870 66734 61217 86013 04851 62992
46829 23489 78275 55167 07082 92237 12479 43618 62194 60523
59595 18096 81311 50990 92493 16162 93332 88584 13120 08658
33002 24738 42189 91907 20689 30017 51163 91352 99291 72412
22444 06293 76716 23458 48740 50434 47354 59375 07519 67926
90995 49420 71498 29565 72639 48624 41114 38870 91596 37125
09894 02708 53369 73256 98675 46153 62701 52598 19623 76279
61276 90177 55948 24555 58467 67993 68305 22549 28598 15066
63779 90619 73145 12188 88406 44282 71317 38580 29175 47935
67450 02615 36425 70643 68657 23822 02607 23655 51172 58346
58316 84345 98818 85047 71561 36273 22048 94435 61176 80041
30978 47626 60348 94643 60878 97497 91167 53982 73526 89252
36155 28258 82891 82548 17703 24906 78560 62409 21352 48767
45365 31088 23872 86192 02630 98075 12044 42754 11490 10440
03123 89259 23720 90687 02879 95758 70489 74331 62189 58214
14507 64351 18098 47551 13983 44738 30276 35744 71838 27179
00000

11163/9271/7532 kHz, 09-05, 0700/0710/0720 UTC

11166 70202 35128 09045 00049 00000 00000 00000 00000

11163/9271/7532 kHz, 12-05, 0700/0715/0730 UTC File 44428 (binary contents)
10523/8129/6947 kHz, 12-05, 1200/1215/1230 UTC File 44428 (binary contents)

11163/9271/7532 kHz, 13-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 13-05, 1200/1210/1220 UTC

11166 70202 21543 12029 01959

45120 67861 72800 06527 09579 68366 61976 63688 41949 13704
59533 72910 30692 47828 68421 39832 33471 81383 28557 72509
07923 64356 73825 35168 24184 67411 32539 19247 63826 95371
88538 17654 34924 81243 45126 13189 57902 34268 59023 17066
01891 40398 36527 18466 76241 38657 09069 31062 06918 21822
30351 47460 52428 34852 62251 37480 39001 69512 41692 51230
19687 78622 45643 12895 87067 58378 96466 16192 94277 72173
74774 57420 64000 14361 31998 67048 90150 37398 19846 25770
61913 90801 78853 75972 64839 45363 53188 64555 38672 01054
23929 78030 96610 02055 77972 55845 35671 07358 54786 92866
92863 90369 38172 66965 26852 65953 85239 52631 29781 68356
09773 06561 98981 28446 62186 36159 23219 23708 73236 86890
63174 99426 53701 09403 30865 84504 67205 92391 97663 50339
18367 72108 85631 86207 23472 54479 21827 89595 55858 10748
60304 94897 83183 32601 01461 88942 38786 57696 63443 86767
94305 01543 85297 66083 25773 56663 66529 83870 90330 44983
72790 23540 55797 34374 62361 46102 50242 55300 13125 43771
23776 78495 54708 19451 39724 39621 35499 40542 37399 21820
79203 40489 33621 32132 10647 66539 55218 32689 55497 97110
19651 12631 43607 29193 00000

11166 70202 74531 12030 01879

37053 74928 84125 37906 14390 02579 36879 22531 83494 86513
91091 78679 51676 74678 18493 00036 37524 85877 17375 74418
36944 58692 50937 44273 69365 01283 90035 89136 33817 90501
02500 41013 29546 93763 56233 68593 20887 12103 28264 91265
51044 67865 36938 08845 34495 85463 39450 57960 82690 38637
61889 31051 42749 62649 53995 18878 53815 54874 85807 62531
50798 12187 28395 25827 70144 78613 85858 24068 37360 01678
70786 70077 40952 20867 40359 23462 22489 36672 35283 54036
37456 33625 88742 55336 66603 55783 97563 69178 82467 58090
72766 07189 00757 82052 11705 80230 71287 29173 58973 71701
88161 30569 48271 15595 23860 36232 42407 65294 16964 72336
13646 64030 68164 40070 31566 52926 24267 54390 50623 77585
54869 46172 14619 79151 51403 76163 20238 80774 03227 34199
06866 05427 30456 22105 64855 86008 78221 43731 79445 53664
02039 50549 52505 15276 98974 16259 69301 56035 64312 38828
02471 28069 78382 93423 70387 11025 53263 84642 92118 55569
94024 71512 06134 45739 54222 63676 44991 41071 90305 12201
83152 84458 44644 43466 00140 86665 11856 09543 26205 23441
68123 53519 62710 06166 68181 30185 00000

11163/9271/7532 kHz, 14-05, 0700/0715/0730 UTC

File 44431 (binary contents)

10523/8129/6947 kHz, 14-05, 1200/1215/1230 UTC

File 44431 (binary contents)

11163/9271/7532 kHz, 15-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 15-05, 1200/1210/1220 UTC

11166 70202 57391 14032 01019

29419 61847 28753 59191 76413 40035 32533 26183 71272 10997
56527 21279 68353 34395 13376 54324 25158 14109 79386 66414
19896 79847 71344 57650 09008 68467 21840 07568 48049 22180
39080 17925 24404 45850 62111 32548 75247 90556 47376 13912
89196 55614 47573 81145 15095 26237 68728 39153 26365 89033
16425 53534 14355 92527 67144 50990 09140 44880 25622 49916
51192 66003 54196 50839 62371 36266 85053 41424 89669 08959
51326 95709 20143 78724 97975 72269 90482 23125 58399 40986
39639 59549 07691 93135 77959 84629 28509 14444 71263 88377
50473 25834 63298 60205 49034 21527 85007 29029 14756 32099
00000

11166 70202 03168 14033 02239
21158 83333 71139 50888 58617 94167 41334 73676 90117 31958
94130 68894 82463 75233 19708 50118 91872 21857 66249 27568
91021 18003 53557 19957 46970 41517 58639 26176 98399 81875
84216 11552 05606 83898 46062 88329 71687 47427 40138 95088
58358 00146 75452 04765 44829 85736 83569 15981 03189 34550
40726 07359 88735 08983 63480 59513 68677 40758 63830 74406
37656 02274 74747 46747 93519 79235 82051 67142 71791 36734
23580 61661 62264 95975 41569 97518 56164 63841 99203 09557
97311 82462 97259 27220 35734 91011 51785 06701 07148 16879
18751 97946 86764 38436 76615 01228 90844 86568 02730 92930
24445 77166 04538 25287 98796 91751 91492 29712 66749 48450
98630 78441 49716 30476 97752 84162 54561 64319 57131 42316
03873 64837 35694 45760 28037 89421 22621 26494 92587 68435
58278 04109 59224 04111 97452 45670 03977 55086 00795 66714
40928 48780 65430 28043 24940 88781 30668 08008 31828 49450
19740 54970 39405 74904 03515 49621 57848 24603 97126 31860
82819 32683 25444 71904 69771 73267 18328 90326 52892 48907
21613 56705 57106 44359 34749 21581 76586 12887 11035 61390
18206 87261 81396 41087 33363 32665 87630 24117 86635 83665
36058 84453 34671 32475 07534 00360 13788 60651 84728 34587
59688 31455 82645 30681 07751 85029 93290 80088 47317 03609
80441 39756 28427 38924 85449 04902 44426 19014 30021 66647
38897 33221 00000

11163/9271/7532 kHz, 16-05, 0700/0710/0720 UTC

11166 70202 78962 15019 00049 00000 00000 00000 00000

11163/9271/7532 kHz, 19-05, 0700/0715/0730 UTC File 44434 (binary contents)

10523/8129/6947 kHz, 19-05, 1200/1215/1230 UTC File 44434 (binary contents)

11163/9271/7532 kHz, 20-05, 0700/0710/0720 UTC

10523/8129/6947 kHz, 20-05, 1200/1210/1220 UTC

11166 70202 25841 19035 01879
30873 48323 02498 86437 88674 23614 97373 87983 07516 49850
71025 80211 46632 25818 05446 88406 83975 73974 51371 33502
35523 05722 98411 01512 96163 94599 84737 10711 69354 93312
26007 75005 77731 55558 68214 86939 71876 48563 94152 68757
79399 67290 38180 64982 61552 86236 88972 74921 69545 09773
84951 48566 17760 06945 32074 94296 16040 41699 98679 71845
28259 34447 67065 68951 49336 15912 46498 85142 17902 59210
77330 71084 06799 01079 80924 96937 58591 88210 35057 48146
58296 09621 79506 72116 60493 00988 81501 24205 13033 31900
15719 86459 44497 11954 38521 57561 07636 76638 61116 37382
95928 38941 51341 54619 75492 17609 18729 10930 99506 78014
62581 40003 97334 46554 87708 05021 55558 84519 17530 82921
33076 32375 59233 08934 77480 60390 00665 79786 34894 86553
43649 39057 70444 47706 03426 93081 41572 34839 28875 30873
91363 28490 23245 46476 54082 95170 70045 87206 90101 30769
93810 76197 92417 61863 10411 82713 31932 40879 46599 38643
33687 96035 33489 24626 01253 22014 03643 74249 31442 22286
46459 69741 86543 39037 01555 27611 16268 31628 94813 97665
46579 89529 46805 23845 77618 35185 00000

11166 70202 23568 19036 01439

65731 58006 08415 81226 52183 81718 29459 24930 93494 54108
79845 15450 20947 75307 53863 67361 98118 91697 00884 89806
57109 70787 68473 45782 13769 71096 20596 86931 60366 99257
91862 68499 59139 71512 63737 74157 85157 21779 73668 05377
91942 23503 93057 15040 98279 17458 35018 89980 19654 62687
77856 12130 92758 52788 15210 52975 66503 64703 68786 80994
57963 32231 24639 86414 49940 03384 02709 98243 13541 99034

21896 41449 94003 38402 70998 24313 54199 03421 89628 51851
97313 13615 51098 98709 64243 86715 85350 96035 92814 97388
68321 11566 37022 67140 40241 84901 62136 33629 20911 47645
64133 41547 32892 83085 86871 22281 68540 05122 35471 54522
61824 61115 09309 23032 50870 88353 03093 17724 42164 78809
49429 40281 12352 31903 01339 10468 08577 99920 78147 89345
33284 55813 23197 61563 24444 38036 46805 43923 67114 52130
52921 36141 00000

11163/9271/7532 kHz, 21-05, 0700/0715/0730 UTC File 44437 (binary contents)
10523/8129/6947 kHz, 21-05, 1200/1215/1230 UTC File 44437 (binary contents)

11163/9271/7532 kHz, 22-05, 0700/0710/0720 UTC
10523/8129/6947 kHz, 22-05, 1200/1210/1220 UTC

11166 70202 16482 21038 01679
91033 39628 52242 79735 45504 71734 94245 10695 72888 10950
98572 57478 51961 29254 90625 49601 17869 15239 52694 70174
19443 54449 94414 51920 18026 17245 60815 61175 26234 46364
38908 74568 10096 61388 48741 78062 03018 22284 29871 43048
04990 19218 59178 59173 65494 80823 60966 28597 73536 18122
95287 51367 03247 46263 35430 56582 88477 51294 70491 59057
24856 94134 94006 46153 22704 68939 64526 24479 59275 58056
49125 81136 03754 50736 85745 39214 13437 17820 25331 12189
24551 59549 39681 86965 86128 68726 05965 90190 10399 76386
03840 17580 38107 72172 86091 30898 42223 16615 08764 52320
18463 87484 31681 10837 36061 27418 25334 20392 47241 85004
45037 94457 78807 66509 58321 26713 54309 40431 36477 92528
20205 62089 46198 50939 74469 10399 02263 51787 21083 54060
67185 77737 98830 89316 08778 75836 57858 16487 51562 58310
82423 47455 82961 77293 83268 61304 00221 03166 08068 50281
08984 61191 43370 23283 09468 06146 06490 59045 31177 39621
50776 26235 02082 99693 32691 38165 00000

11166 70202 74258 21039 01839
71554 33664 23913 67232 37089 42152 18754 45130 53564 01936
17114 96148 14799 89115 09529 98129 10859 33306 15433 80059
20735 74733 37404 37027 05882 25732 37376 55048 53088 78815
45766 00437 40095 28523 39444 53420 22406 99219 49493 90673
64724 96045 84686 46475 65462 21190 81631 07154 47748 22689
17505 18533 15378 67936 46328 11043 97143 59073 44711 72203
27982 32478 78010 21153 40374 09511 22830 64915 64433 90725
06814 41094 60133 10718 51653 76683 30086 95815 30263 17671
86340 91775 74046 09138 69607 53700 91202 30529 44377 15340
82000 15792 18344 79980 61972 13057 59584 00103 28941 63570
09939 37993 34843 04534 18002 24505 48276 25580 40200 58147
18693 33526 83359 11695 78209 05134 87219 38507 41935 32535
70324 95738 92787 91025 87733 26633 61703 83902 73985 69084
39209 44050 69747 82662 79273 96947 55603 11272 81378 14782
41398 23651 61752 16376 84596 98889 49707 92593 36073 49151
70000 61923 36789 96791 97176 85929 13778 48057 92814 99250
48896 30556 61631 33835 18752 86683 87357 42102 29272 40194
34345 48723 93335 78104 25836 85692 24901 15115 34818 90400
48090 39181 00000

11163/9271/7532 kHz, 23-05, 0700/0710/0720 UTC
No transmissions

11163/9271/7532 kHz, 26-05, 0700/0715/0730 UTC File 44442 (binary contents)
10523/8129/6947 kHz, 26-05, 1200/1215/1230 UTC File 44442 (binary contents)

11163/9271/7532 kHz, 27-05, 0700/0710/0720 UTC
10523/8129/6947 kHz, 27-05, 1200/1210/1220 UTC
11166 70202 75148 26040 00799

20536 07684 17536 92855 02223 50235 07806 66446 54733 02248
48688 42434 29933 41594 97192 19115 60602 13578 61947 25158
92692 36036 47435 34513 28643 59603 74102 60716 67649 12857
22786 72775 53854 86993 76898 99831 68383 39762 60796 16770
26162 23308 97782 27977 63461 65639 36179 91434 27099 60393
16893 50329 01241 44584 80931 64367 32737 69035 40298 57988
40927 91169 60697 27659 22863 44853 29498 75433 89872 66974
07388 60978 96412 85450 87157 89233 47140 40077 00000

11166 70202 05963 26041 02839
06888 50421 32351 53785 97149 06286 95287 90731 14203 58131
12322 89431 97889 40303 05829 90046 65503 96661 57109 84030
73988 85345 98921 20490 70521 25419 17471 59918 79907 27597
74815 29975 02230 76255 87624 63001 19190 54880 23214 19965
32580 32177 98808 30520 83321 50998 94963 03864 24500 87302
19084 90080 46852 71315 79978 96669 80127 88078 59387 89924
18762 99596 91419 35873 45312 55736 85837 60451 50077 86094
56127 33604 70351 90004 38291 06996 97739 66879 11300 60029
26983 54070 55144 33847 44720 64432 07422 58006 81630 40790
04391 99524 76391 69476 17445 88972 24893 20151 20924 03302
13141 04065 52218 10103 57287 67979 50092 02977 99236 65913
82167 82703 31242 75906 97505 63900 47951 53993 65223 11860
49335 42573 85086 39245 42921 75359 81003 17338 18793 46097
13379 81529 95769 33242 71240 35730 62226 97778 30099 85395
59970 96378 86461 53855 84626 77066 04944 61626 00966 49603
38920 73405 96606 47762 10642 42422 22538 25680 61772 06846
93891 55487 10261 17927 49416 18390 74509 04565 93063 06394
50760 03995 66156 76866 54638 13267 23552 27118 62798 41220
12249 81182 15606 65627 75875 06002 66786 25207 33490 99185
90986 01186 06137 15546 85189 68094 89597 24584 24904 18498
96761 16124 61086 91330 18078 96280 68716 58534 73493 40942
82972 49691 54347 98963 83943 19324 78633 62252 15813 86560
08091 44937 51448 01858 00535 38809 38348 20450 95888 37212
86864 87235 59343 44586 86651 62771 30077 13838 62277 45065
48990 78731 03929 66862 63867 73490 34153 73106 35434 56783
96575 08260 92714 82307 77519 68177 11155 83126 96483 96220
11932 61976 26395 28295 05893 04707 29592 16499 30560 59066
20466 86078 53642 45992 90694 05367 41483 95618 58020 73398
15895 41281 00000

28, 29, 30, 31 May: not monitored

Link 80214

18417/13975/11588 kHz, 01-05, 1330/1340/1350 UTC

11166 80214 21547 01057 00049 00000 00000 00000 00000

18417/13975/11588 kHz, 08-05, 1330/1340/1350 UTC

11166 80214 24985 08014 00049 00000 00000 00000 00000

18417/13975/11588 kHz, 15-05, 1330/1340/1350 UTC

11166 80214 10258 15030 00049 00000 00000 00000 00000

18417/13975/11588 kHz, 22-05, 1330/1340/1350 UTC

11166 80214 45283 22094 00049 00000 00000 00000 00000

F06a

14763/16325/19561 kHz, 30-04/01-05, 0600/0615/0630 UTC

14763/16325/19561 kHz, 08-05/09-05, 0600/0615/0630 UTC

14763/16325/19561 kHz, 14-05/15-05, 0600/0615/0630 UTC

14763/16325/19561 kHz, 21-05/22-05, 0600/0615/0630 UTC

File 42440 (binary contents)

File 44341 (binary contents)

File 54442 (binary contents)

File 44843 (binary contents)

9299/11623/13411 kHz, 03-05, 0300/0315/0330 UTC
 9299/11623/13411 kHz, 10-05, 0300/0315/0330 UTC
 9299/11623/13411 kHz, 17-05, 0300/0315/0330 UTC
 24680/20987/18477 kHz, 17-05, 1600/1615/1630 UTC
 9299/11623/13411 kHz, 24-05, 0300/0315/0330 UTC
 24680/20987/18477 kHz, 24-05, 1600/1615/1630 UTC

16344/15748/14367 kHz, 30-05, 1900/1915/1930 UTC
12208/11122/10243 kHz, 31-05, 0600/0615/0630 UTC

16329 kHz, 01-05/06-05/08-05/13-05/15-05/20-05/22-05/27-05/29-05, 2000 UTC
15887 kHz, 01-05/06-05/08-05/13-05/15-05/20-05/22-05/27-05/29-05, 2010 UTC
14937 kHz, 01-05/06-05/08-05/13-05/15-05/20-05/22-05/27-05/29-05, 2020 UTC
14458 kHz, 01-05/06-05/08-05/13-05/15-05/20-05/22-05/27-05/29-05, 2030 UTC
13892 kHz, 01-05/06-05/08-05/13-05/15-05/20-05/22-05/27-05/29-05, 2040 UTC
12207 kHz, 01-05/06-05/08-05/13-05/15-05/20-05/22-05/27-05/29-05, 2050 UTC

A difficult session on 8 May. It took them almost half an hour to exchange two messages.

UAL UAL UAL (opchat, freq change to 20115 kHz at 1307z)

UAL UAL UAL (opchat followed by a message)

11100 70103 32147 08063 04009

99489 28201 45063 36156 51841 87818 62823 75168 57218 62662
58766 73195 87250 54024 30064 44588 31156 70264 04909 37322
38841 86100 57744 02887 39118 77393 01934 53384 93938 36107
83308 23023 74611 95130 23032 76191 70928 17656 83220 29305
69135 30783 53751 78603 59689 08064 83703 51100 60740 30649
05866 20861 68268 81745 27739 57797 68827 54049 8

18726 kHz, 08-05, 1300 UTC, FSK-CW + FSK 50/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow.
Switched to 20700 kHz at 1311z. Several restarts.

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 25413 08063 04003
47418 12167 47815 46037 64440 54748 31958 42373 21403 01814
07741 69550 28579 44055 00267 86361 21317 40128 87376 79734
97905 74714 33649 53496 57139 15096 17079 80512 52778 52220
78123 66649 07093 37167 45787 99983 50681 48965 20462 83708
80730 54692 18176 76164 54942 47799 05965 86442 63271 75596
83048 98983 44693 91831 87481 25623 41182 95309 32994 08520
06075 40484 05685 22388 09021 30951 75276 49498 04704 31801
00595 25859 57516 61751 33988 82030 39381 50999 54350 27010
42906 75739 83448 48609 77054 05276 65236 28785

[illegible]

RYYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY
11100 70103 25413 08063 04003
47418 12167 47815 46037 64440 54748 31958 42373 21403 01814
07741 69550 28579 44055 00267 86361 21317 40128 87376 79734
97905 74714 33649 53496 57139 15096 17079 80512 52778 52220
78123 66649 07093 37167 45787 99983 50681 48965 20462 83708
80730 54692 18176 76164 54942 47799 05965 86442 63271 75596
83048 98987

53

RY

16156 kHz, 15-05, 1300 UTC, FSK-75/500
 UAL: MFA Moscow wkg UAG: Russian embassy Havana.
 Off at 1305z. Probably switched to another frequency. Several restarts.

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

54

UAL: MFA Moscow wkg UAG: Russian embassy Havana.

Switched to 20115 kHz at 1303z

UAL: MFA Moscow wkg UAG: Russian embassy Havana.

Several restarts

11100 70103 12358 22069 04009

95202 47926 62474 82085 00552 50219 86749 42798 77253 81768
96298 07676 77831 18244 09789 46591 09337 58355 13022 24862
54877 75233 34614 75390 03052 07366 19428 59565 21243 68775
98190 09133 33676 83116 76752 66201 90222 71391 93397 63580
36845 47962 17672 12645 23652 04558 89144 90898 11481 86946
19548 46439 62960 93982 06740 61499 28974 53697 33915 42260
66479 56126 52508 27122 48609 47573 72228 30620 52995 15975
06657 65171 39250 22071 47853 07839 51553 56065 68394 04306
07266 24462 74306 27245 57517 96758 57296 31267 30710 66699
19751 71642 94865 07762 70921 78973 99753 27565 17737 07021
84753 50902 98682 95850 63362 86062 34191 17513 20314 54151
91960 96418 82224 86073 90663 21612 47714 16898 90470 93129
87936 32251 43819 69625 53459 46471 04885 09453 48427 17170
21176 22391 57947 25916 55693 74208 39638 79721 13100 11236
15272 13011 68325 97157 23456 94768 21050 79186 19283 70550
24513 25834 31892 94040 62064 03433 15882 27859 69913 83633
57506 18280 29506 99034 +15,8 73572 77970 89148 50096 00642
10057 03887 48330 79655 70035 56753 19619 81345 56956 44928
34514 56678 91734 78439 45374 53569 19493 85601 82316 40340
45583 86905 91433 40600 28751 54566 01248 09241 79855 99887
28320 04232 39600 55659 57952 33905 33701 45751 60116 60868
28836 59106 32263 57057 38510 70319 62748 70151 50175 73979
79508 05143 75536 24969 16212 01648 43996 01913 99065 31102
89755 35955 59451 03712 05330 72059 09166 88395 59992 55007
39192 50398 06607 57305 27948 36274 25278 91159 69939 60912
77243 71729 60765 76306 67474 23836 99406 26752 39388 49313
93737 20150 50139 97191 80197 70113 99910 03903 93558 88571
13643 95692 47733 33534 98647 70421 13548 41729 26535 00956
04434 00792 12893 27325 05958 40686 93162 29834 10147 49056
18138 00321 40527 40190 17537 53750 78827 32284 05068 47322
29284 12695 23450 99287 81470 95869 52801 24662 57606 03635
30845 30019 55283 22541 58380 34553 21520 17946 88428 4-600
19123 09513 22520 53800 71256 37841 62540 46099 95173 76879
91590 43759 61056 71835 82272 17587 36874 07265 55869 41549
05228 35015 40832 78972 63099 16725 04026 32513 40446 60563
53162 50085 98588 56890 33867 03929 94311 42535 69807 85015
20630 48370 19330 79969 60152 09879 47032 22698 11981 45394
33721 37916 78080 31708 73183 18750 20058 31719 29212 05616
22296 53830 51317 58552 22361 47769 72579 40195 94642 66515
38056 51511 33378 43039 37199 88020 24410 03520 38711

UAG: Russian embassy Havana wkg UAL: MFA Moscow

QSA4 QTC1

RYYRYRYYRYRYYRYRYYRYRYYRYRYYRYRYYRYRYYRYR
11100 70103 83592 22069 04003
31261 71560 75294 09080 98239 93456 82974 54397 38999 66072
79880 56796 83986 74232 28101 91536 08595 65385 92296 94007
25199 53530 78073 45345 77974 47061 89987 56185 40443 30238
57607 90761 84671 52945 03091 98312 22777 08450 48697 45384
48757 03824 87678 62076 97303 52740 66989 51302 02018 45315
55247 21367 05478 74687 94392 38186 93389 25025 58463 12950
01661 50644 67951 67620 12634 00936 33152 45448 76421 70765
24959 58692 18268 81065 96540 90744 17894 19279 04328 94874
71743 94359 01756 56449 74082 86008 04203 11864 77000 12838
48554 39606 21416 09149 95831 67415 31542 85001 50327 61652
39550 49289 93680 91429 70567 00472 57334 84635 92425 94684
81803 18039 34948 85892 36202 08660 07571 97782 96456 98640
32263 32082 05658 50642 09658 42993 64966 96235 09353 32425
22531 04190 40303 45715 00847 61015 30252 72526 59988 80893
44129 82607 55167 87192 60368 51105 52032 32745 41064 53113
24170 51092 56915 32148 14235 55861 52896 72235 13136 30487
65983 28302 30739 75441 28081 94554 56502 05181 23481 15529
33494 11978 72796 69510 94229 38845 68306 78998 31753 28719
88243 27917 04421 42107 53777 90240 97804 21179 14206 99742
92184 16885 71317 15540 08990 23100 78849 63129 34757 81970
77978 55590 45906 05660 54783 24667 82865 79869 30622 16386
46934 41938 21357 30920 18348 64886 26355 11377 18963 64621
33223 11196 68017 72458 49198 94859 04386 40170 95134 51572
73782 69742 23027 26634 04342 85022 43005 00167 19012 87451
70743 67895 58209 63063 31211 03665 11155 32943 79711 08386
79347 64328 26146 75090 20603 84547 73431 24792 47088 64969
06026 92830 75812 67164 89474 70394 54978 68462 66944 30907
14669 09088 63657 95963 15272 28070 35177 20503 92106 20101
20477 01911 19673 50553 85736 42731 43971 10809 69788 21684
56325 81129 67174 52664 07143 93219 09731 36422 83059 69687
32642 34603 95897 62589 35914 20844 56880 18244 77187 88600
34531 60502 56842 20405 19711 09659 81317 48237 46217 79205
15598 59693 40384 17593 60796 29645 98132 87201 17768 82075
12888 97718 22703 11777 02824 36078 65625 20599 10853 60185
27739 47935 75817 48593 98560 00137 98296 23324 58776 08540
49494 88018 39756 70789 96616 48614 95666 55156 43204 33311
(?120 72530 07832 56890 96296 45768 89632 87988 82468 31106
94073 25804 83888 71297 17419 39140 56947 85185 13330 68538
40560 23382 90022 05839 2-718 44759 11437 93761 07126 93395
00841 37689 40880 80770 70319 46847 89150 02726 24575

Nothing heard on 19826 kHz

HXMT - SFDZ link. Header: 759 100 5 0535 4920", using =50= and =100= separators, opchat CFM NIL QRU? K

RGY2 - RTK2 link

RYYRYYRYY opchat QRV? K. New F1B call up followed by opchat CFM NIL QRU? K

RAZ2 – RWBH link

RQF: Cyrillic msg to RGY2. After msg link closure with "BK121" command

```
00000000000000000000000000000000000000000000000V0000000000000000  
000000000000000Z000000000000000000 (repeated)
```

Reversals till 1214z

121753
VVV RUH RUH RUH DE RVQ RVQ HRK? K
121753
VVV RUH RUH RUH DE RVQ RVQ HRK? K
121753
VVV RUH RUH RUH DE RVQ RVQ HRK? K
121753
VVV RUH RUH RUH DE RVQ RVQ HRK? K
ZNN GB 73 SK
121753
VVV RUH RUH RUH DE RVQ RVQ HRK? K
Reversals. then off

350741
350741
RV34 RV34 RV34 DE RWB3 RWB3 OK ZOR K
350741

350741
RV34 RV34 RV34 DE RWB3 RWB3 OK NIL GB 73 SK
350741

```
GM0U0000000000000000000000000000000000000000000000V0000000000000V  
0000000000000000000000000000000000
```

BK QRV K
K
R 467 1242 K
NIL SK

P07

9067 kHz, 04-05/07-05/11-05/14-05/18-05/21-05/25-05, 1400 UTC
8137 kHz, 04-05/07-05/11-05/14-05/18-05/21-05/25-05, 1410 UTC
7704 kHz, 04-05/07-05/11-05/14-05/18-05/21-05/25-05, 1400 UTC
6828 kHz, 04-05/07-05/11-05/14-05/18-05/21-05/25-05, 1430 UTC
6794 kHz, 04-05/07-05/11-05/14-05/18-05/21-05/25-05, 1440 UTC
5774 kHz, 04-05/07-05/11-05/14-05/18-05/21-05/25-05, 1450 UTC

XPA1

13419/12219/11419 kHz, 02-05/07-05/09-05, 1210/1230/1250 UTC

424 424 424 1 424 424 424 1 424 424 424 1
02720 00074 27483 98370 57824 16628 89788 76398 37353 28066
29560 83921 85143 71249 05499 45235 11416 16672 85916 85523
51873 70408 05653 53302 02335 14180 53554 95356 28585 58309
75875 82476 47649 23675 60379 49343 93000 35946 86877 19255
81428 35566 83397 14379 04298 45259 94440 92835 39592 89638
96267 29340 60282 55881 48431 65130 85587 23386 32998 21526
98669 54091 47900 83298 40619 81007 03190 88771 96505 62039
20193 80545 00780 39839 43131 80855 27515

13419/12219/11419 kHz, 14-05, 1210/1230/1250 UTC

424 424 424 000
03546 00001 00000 36657

13419/12219/11419 kHz, 16-05, 1210/1230/1250 UTC

424 424 424 000
04436 00001 00000 36257

13419/12219/11419 kHz, 21-05/23-05/28-05/30-05, 1210/1230/1250 UTC

424 424 424 1 424 424 424 1 424 424 424 1
08398 00162 68412 79450 13371 30248 68978 74799 26497 73158
29075 29805 86678 32752 33791 40961 24179 24668 41064 55256
90436 27094 31357 57916 81811 12655 17955 05848 79057 22149
37200 74383 47364 52624 77336 27570 39024 17779 25887 06458
04594 45638 17118 17756 67988 85062 32573 36114 17314 24313
10042 81133 18152 54468 65931 78504 98074 72688 47614 62658
57162 88670 72736 24383 83148 13611 15693 05513 76511 52510
59774 46774 53110 38201 15040 40563 39929 97783 60887 29745
87935 76422 06879 58430 99112 78307 93579 73613 16822 78404
93262 87879 80861 77734 12163 92170 12111 64393 01367 04901
82913 72581 72316 43765 41721 72629 66375 25829 79215 31661
51297 19542 02959 58436 49894 85138 04858 87959 37751 20203
41765 15171 43850 85131 07804 10763 41218 35490 30037 36536
89221 58088 59706 14974 35124 46921 89911 53093 08994 72951
09142 12224 57337 56699 97262 59578 01129 16053 76713 87189
68476 68479 57468 43045 47517 41972 94072 52411 56593 73703
26627 61392 60933 84344 56606

XPA2

16147/15847/14747 kHz, 1100/1120/1140 UTC

16147/15847/14747 kHz, 01-05, 1100/1120/1140 UTC

04840 00001 00000 35260

16147/15847/14747 kHz, 07-05, 1100/1120/1140 UTC

06369 00001 00000 37264

16147/15847/14747 kHz, 08-05, 1100/1120/1140 UTC

02777 00001 00000 40261

16147/15847/14747 kHz, 14-05/15-05/21-05/22-05, 1100/1120/1140 UTC

07061 00099 65523 74389 49494 54543 70331 29718 24237 59489
71167 68288 27651 42230 64029 39091 04606 25754 33713 78671
57423 81476 84917 60318 80692 59681 81807 65995 90793 79685
28169 40868 47558 05067 16108 32470 95171 02892 17722 23150
03532 33200 36994 65620 40143 73203 22527 38279 34508 89661
28318 18218 86357 96456 20882 07660 08218 34380 30906 99006
72702 48071 98800 07031 58506 16626 48024 12301 52050 96558
55708 25687 47910 87815 08091 66811 68626 02725 92659 81079
02420 40830 73192 38968 98236 03479 72863 65862 70443 87696
01417 31030 21699 04676 53906 89784 08604 32456 10563 88921
31879 51600

16147/15847/14747 kHz, 28-05, 1100/1120/1140 UTC

04772 00001 00000 35663

16147/15847/14747 kHz, 29-05, 1100/1120/1140 UTC

08694 00001 00000 36271

16159/14359/13459 kHz, 1100/1120/1140 UTC**16159/14359/13459 kHz, 01-05, 1100/1120/1140 UTC**

04033 00001 00000 10140

16159/14359/13459 kHz, 06-05/13-05/16-05, 1100/1120/1140 UTC

06329 00117 17431 72230 42619 55516 58179 97781 65263 63770
31130 43388 28781 43657 05666 93266 94247 87298 33234 32999
15528 80193 96041 20233 00822 27767 16954 84749 94514 37940
89383 20296 81485 83388 17447 00310 02850 54424 39938 74630
03382 64107 61075 74824 64132 64655 49482 98384 60818 59169
94556 38061 96799 83736 57607 71680 32095 96206 42050 08983
70594 89223 79340 96889 20558 18998 95720 24657 69952 29306
63079 34648 96687 97132 16176 41408 60431 17354 77132 58311
31598 32463 34576 01366 53318 92315 51971 31671 65645 85252
08769 29480 34923 68414 79128 40756 48509 56188 86657 98155
55491 24408 67194 81668 48112 08492 89685 38999 95610 50003
31755 07846 02596 77344 53225 75222 83783 61902 25270 63141

16159/14359/13459 kHz, 20-05/23-05, 1100/1120/1140 UTC

02566 00065 80025 62569 15086 40401 70201 30096 07984 23866
20716 47126 15197 53149 71739 72387 03636 29411 44599 91020
62808 13764 27059 65779 30222 81832 10626 52465 47229 60308
33924 00943 06923 38767 01649 38827 92495 55736 05048 04352
22649 48454 03699 81947 89697 77267 64889 86259 21258 94770
47355 50401 68665 00261 06381 44666 67311 52784 67635 13995
72625 01694 32725 19558 66678 82393 55350 10130

16159/14359/13459 kHz, 27-05/30-05, 1100/1120/1140 UTC

01932 00184 44603 67435 47341 12603 42629 91251 08737 17182
86265 62569 87893 18519 82598 17845 86209 49177 16250 71510
04428 62506 56474 20387 39712 56770 76634 90759 28471 26639
16912 81116 10607 45613 36171 37987 49202 92106 85219 86387
10579 83785 34714 63578 32435 06502 29289 21172 87553 93012
02363 23615 55275 58738 87492 96260 82041 87027 29903 49546
54809 90212 81060 86890 51190 17418 95222 22802 67920 88822
33202 27326 25287 38364 14914 45369 10164 95359 13435 55721
04278 78483 67348 52684 17260 68329 31732 39421 27638 87754
61522 90084 95614 98241 04776 32656 03947 96362 15442 78547
39825 77560 05792 73739 25779 24286 90742 82340 39509 30383
55574 88972 41891 60878 99079 02278 31108 54128 91211 31072

29832 33122 31493 96089 58034 62647 84561 39434 38091 47712
05955 30177 62004 88310 71357 53484 19952 56806 07330 15929
85167 56582 75254 26278 99221 35872 93367 29841 45957 38185
98254 74152 22855 16894 71601 94755 81976 09672 92760 18089
44222 87295 29753 57982 61186 09081 63524 31992 26273 83085
57158 70834 58726 53243 98527 99084 73334 28515 71313 07945
97013 19962 54172 07815 04217 12093 44266

15872/14972/13872 kHz, 1800/1820/1840 UTC

15872/14972/13872 kHz, 02-05, 1800/1820/1840 UTC

00764 00112 09487 19533 24465 37561 97295 30595 78942 06582
22746 87263 26636 23239 94324 58005 77171 27529 05838 02059
94100 06403 33460 32104 93633 31135 26007 69307 05929 42623
88648 60215 49533 81800 60013 87533 17852 56607 90223 19181
36258 67872 41274 79954 81275 12437 67109 82702 44722 43636
23724 20756 37806 24753 33160 62138 82222 53187 68925 92055
76790 56517 88845 82723 67492 95078 49980 91616 03059 68131
70805 76734 52369 70441 13838 72365 50476 70010 80120 51878
60425 18782 78161 51069 29635 07630 19113 31877 40269 34959
22785 15233 20669 81024 04670 29577 92518 72785 02965 91871
52621 79872 68464 68264 95097 65625 75245 23818 33929 70776
19628 95055 96254 93810 10660

15872/14972/13872 kHz, 07-05/09-05, 1800/1820/1840 UTC

06404 00123 63993 65577 36810 10653 44375 47396 96873 41832
52118 10139 02980 13781 13895 80470 75255 20527 87105 54712
10625 69158 95377 28704 87979 90378 04650 88798 90014 73949
19576 54263 27973 19069 41886 02894 85299 60056 59341 01702
63001 25176 87278 50232 50561 44089 94826 72680 71959 87819
67570 86036 31356 34022 73242 62279 46339 48568 40477 22350
73971 10004 98781 94166 77324 98316 22707 31825 30804 31316
87368 81751 93813 49716 88344 72276 14247 92026 76981 77737
47432 66411 15677 08585 03740 81008 15807 99142 89830 15901
38622 72746 96636 29621 46687 55548 73918 44522 69907 03439
95633 39500 30411 95351 52630 61755 58014 07885 68704 63227
00284 81877 37734 04421 92033 90157 85135 80407 60279 16395
20803 70870 53730 09035 66519 77116

15872/14972/13872 kHz, 14-05/16-05, 1800/1820/1840 UTC

09413 00135 65279 96435 68804 10336 68924 34211 40391 73301
53785 59613 06224 76383 79624 75785 76529 45748 17978 68472
99192 73054 79474 39489 12834 69709 65478 14650 89426 30331
63390 81034 01281 09073 65663 02148 25488 29186 68095 96194
43672 35215 98256 20700 99513 26409 68703 95916 24677 07628
91892 06030 16133 62479 58278 62167 14904 41592 48393 18824
53199 44687 85017 15000 97227 73174 45265 10948 45837 83048
11105 93526 67489 87990 45657 24644 86908 55907 96161 79007
52402 54839 72499 13295 79778 85686 77212 69172 27019 51176
30924 21039 26210 56909 93272 01826 34298 65780 58241 37547
76246 97869 27367 16462 19280 29395 88529 66665 23037 97725
67684 33076 25958 39855 58884 48609 54006 82261 72417 97762
35943 32118 61486 38037 21621 92791 65643 96407 19800 91122
48886 08229 24701 74877 78607 41301 89535 44673

15872/14972/13872 kHz, 21-05, 1800/1820/1840 UTC

1800 UTC: Off after 1m28s

09617 00001 00000 37662

15872/14972/13872 kHz, 23-05, 1800/1820/1840 UTC

08202 00001 00000 22560

15872/14972/13872 kHz, 28-05/30-05, 1800/1820/1840 UTC

00126 00248 21374 37709 85663 19961 89389 51038 71989 48338
76681 41382 30067 02115 92066 53385 04059 39195 81109 85028
39166 21716 01481 79909 52839 08150 90637 21883 36693 70074
69135 26149 03232 48828 17852 08481 58347 32499 11646 24069
33559 12135 10572 35805 13245 56730 03130 65211 95311 55345
48884 61544 16144 15105 39139 11573 61843 49543 44148 31770
30273 96343 42526 56653 42187 44671 51793 72954 36786 35460
79893 46149 70733 28303 77998 45317 49203 19820 86255 07110
07728 63526 38110 75554 59935 63222 71120 03244 41506 69170
68262 14690 74693 69764 00758 99713 87852 94131 97914 62334
83363 23881 36552 42997 95185 08625 80898 69976 23328 74334
05728 01605 01128 22093 35196 31133 00366 36924 71221 27397
02504 66535 74966 45309 11720 08122 57797 19592 00715 65985
26859 67566 69576 36825 95629 76951 61377 85229 74450 43801
01361 02985 44288 02037 91870 81738 76625 45273 72177 22819
98833 54973 40605 83416 73770 82775 13058 29339 63641 17029
58409 59276 39961 51292 74962 40480 18092 65486 75128 92133
42121 32498 53084 28877 42324 00431 43195 64777 11742 35438
63210 71007 45232 37462 53988 49904 38940 80744 80939 86537
28885 95079 73637 47875 00363 27424 12229 33123 26280 55666
70500 37881 99335 88215 38474 10094 34417 94521 08261 33333
73157 78482 32950 27529 55729 68923 06488 75268 01141 59787
91135 70919 89332 55262 28583 80718 19270 77571 15586 21318
33844 71303 21034 96424 39550 50954 49725 90919 56368 56849
65996 48686 85917 74874 11955 35185 00004 68665 29793 21584
05311

14794/13994/12194 kHz, 0910/0930/0950 UTC / 20158/19246/18479 kHz, 0900/0920/0940 UTC

14794/13994/12194 kHz, 03-05, 0910/0930/0950 UTC

03877 00001 00000 40662

14794/13994/12194 kHz, 08-05/10-05, 0910/0930/0950 UTC

01499 00089 37468 57835 68624 33431 69180 97234 39807 96827
68845 94513 07546 61863 45282 10495 68153 90365 87944 34497
38479 43481 34684 35833 12860 45146 60073 67404 75673 03769
53975 08811 15758 76400 51955 64806 24191 08878 38776 78804
69180 60935 18715 34200 86854 74625 53798 86697 22507 26996
06524 89800 45901 43541 88926 35298 89790 54152 58294 64479
47072 78216 67431 50158 58753 81969 94251 69903 17258 33351
83188 29132 70592 43732 51644 64880 40254 98641 28948 42963
50752 45768 44456 23903 14931 48713 18936 82576 92778 14289
86405 74456

14794/13994/12194 kHz, 15-05, 0910/0930/0950 UTC

00629 00183 30199 18830 90899 20697 29240 64827 55285 93561
27374 68964 32229 38304 85796 23032 12397 79381 36746 27383
99801 60110 89284 85339 11292 17224 71884 39122 79576 57694
84623 89060 30025 23778 53832 63024 59440 25416 75311 71237
21689 86185 17087 69464 47597 96641 68580 00922 38483 70330
07524 71591 73460 96237 46190 93633 00585 55974 98977 81759
39898 72925 26702 02999 52534 05361 24273 88872 58585 78758
19709 15673 39009 45008 37398 94446 66817 81989 20069 06683
94424 53732 69442 18582 03135 34802 85413 54198 73750 21060
86522 26143 05009 69584 74543 42638 94712 44331 04290 41175
95413 44053 17736 06302 75575 39189 63235 20114 54895 27942
29866 14365 48841 09624 20982 60547 23284 65798 34877 26322
42216 62763 88135 07064 94285 44929 17990 61869 19076 27361
71770 54606 19576 96656 94438 93603 70767 79990 77226 36846
78905 57797 18004 59483 21662 32735 07127 21853 17624 51723
57738 22597 72243 14330 44168 53261 80194 23185 85681 09420
55464 02403 95845 43971 33210 18154 83454 30970 07759 38732

84949 92638 05155 74283 80048 72983 64925 55428 55077 94691
67523 01703 27568 36962 42773 72113

19246/18479 kHz, 22-05, 0920/0940 UTC

Message

20158/19246/18479 kHz, 22-05, 0900/0920/0940 UTC

05885 00001 00000 40255

20158/19246/18479 kHz, 24-05, 0900/0920/0940 UTC

07415 00001 00000 35660

20158/19246/18479 kHz, 29-05/31-05, 0900/0920/0940 UTC

00744 00028 96921 70880 62198 73444 78289 39706 00134 84403
87664 34044 16731 09764 66588 35179 51299 34713 58343 73993
57185 33965 23824 48831 63004 98905 02687 21436 15059 90969
60221

15938/14538/13438 kHz, 1500/1520/1540 UTC
--

15938/14538/13438 kHz, 03-05, 1500/1520/1540 UTC

01169 00001 00000 35265

15938/14538/13438 kHz, 05-05/10-05, 1500/1520/1540 UTC

05004 00188 68851 23234 29496 37921 25209 72717 79070 54571
25801 14560 32434 20299 94209 44414 04797 30626 33826 80055
00876 92557 69125 10617 35416 81889 68222 07870 83345 55903
25077 49286 91539 80461 17085 80771 84175 93015 06051 89796
95275 02122 42352 81221 71629 39525 02934 38001 19250 95070
64990 69649 50546 34538 95517 59288 81494 60923 78564 22700
25415 68325 59608 94763 92571 17043 73227 12036 19590 65690
79099 19573 65060 00570 84758 97371 32843 90718 25437 27463
17341 68626 72039 72320 21185 75093 90289 52834 91736 28586
25021 44333 82044 21681 52253 72258 50066 34274 54826 13350
32166 23753 63618 76616 75188 45202 42226 18438 42035 17940
43247 22081 30813 90512 46003 74658 02315 51512 06903 43583
32825 06777 83523 37660 28791 53941 51440 96436 73714 72553
76319 91092 20646 28517 33133 91158 36956 55985 16351 12152
93229 77656 97475 10241 55994 20682 17601 78775 01786 99510
81099 40101 13386 53309 46225 22546 23194 70413 77654 03161
44928 87307 01724 90175 89896 50563 45412 01916 35960 87014
16541 24159 82848 98399 48220 33526 88798 92938 68560 58026
48969 15124 67219 40136 28481 59962 27781 37418 67027 28226
70604

15938/14538/13438 kHz, 12-05, 1500/1520/1540 UTC

04308 00001 00000 36654

15938/14538/13438 kHz, 17-05, 1500/1520/1540 UTC

05129 00001 00000 36257

15938/14538/13438 kHz, 19-05/24-05, 1500/1520/1540 UTC

05193 00106 83230 82346 48640 51382 25836 83055 32813 98197
64084 50155 05130 90462 92374 42263 70653 99729 06731 42489
38219 45384 23887 96478 97299 81401 93586 98048 19379 74819
04871 04836 86241 82702 34267 16780 97096 84285 25255 23989
39878 76574 41581 12375 15779 46996 52400 59599 79403 24376
95479 88171 12357 77199 00182 03416 96955 05946 86849 17470
88099 24878 02904 92322 94755 35314 67241 89639 85298 25030
09197 28034 64071 83945 87411 88070 97263 03864 22068 31544
44812 16904 46768 32827 03168 22464 10062 38268 98876 43797
95846 88562 29844 54072 89971 99297 65508 38013 57445 83761
12574 03326 32313 61585 15074 14845 37393 51799 33355

15938/14538/13438 kHz, 26-05, 1500/1520/1540 UTC
02780 00001 00000 34662

15938/14538/13438 kHz, 31-05, 1500/1520/1540 UTC
06619 00001 00000 40657

12148/13448/13948 kHz, 0700/0720/0740 UTC

12148/13448/13948 kHz, 05-05/07-05/12-05/14-05, 0700/0720/0740 UTC

09879 00144 43473 35529 78039 86540 21524 93899 89530 91408
98168 12347 92528 56644 10436 35768 29753 38618 75239 26030
25128 57825 07161 39254 42152 50350 80648 05784 56231 89557
91874 57144 23337 97992 63752 57643 77880 16957 55041 41741
58622 34144 64901 19513 98620 07851 05593 11332 98345 26722
93595 81103 40354 72408 03426 14826 09510 20123 88278 16260
35200 07934 60320 32171 50316 21542 69015 93370 56615 79615
42612 03573 48755 05907 60561 14733 14401 74546 18924 36883
79330 04517 12741 56005 60796 55720 07408 98435 49234 70525
96978 11130 69007 19584 28828 79154 43629 73341 78879 30242
69463 95279 73345 99804 83350 71481 56661 28308 53635 22867
15197 69561 51479 71050 73503 67867 00426 31842 93958 58554
22860 17788 00894 72348 99856 79665 27003 56258 33163 19731
22682 35771 44618 06900 31687 71861 35340 54958 35049 67810
01487 11958 85819 15320 36407 04823 06737

12148/13448/13948 kHz, 19-05, 0700/0720/0740 UTC
04952 00001 00000 36661

12148/13448/13948 kHz, 21-05, 0700/0720/0740 UTC
06385 00001 00000 35266

12148/13448/13948 kHz, 26-05, 0700/0720/0740 UTC
09254 00001 00000 34266

12148/13448/13948 kHz, 28-05, 0700/0720/0740 UTC
03138 00001 00000 35657

17431/15841/13934 kHz, 0910/0930/0950 UTC

17431/15841/13934 kHz, 05-05/07-05/12-05/14-05, 0910/0930/0950 UTC

00311 00055 44939 67444 16124 36072 44319 75277 81054 36360
40497 58124 13294 88253 33820 83298 03918 81833 39971 70522
01776 31132 75482 08234 19339 78332 36928 48041 03959 69909
44638 40830 37344 58444 86751 57688 16074 78967 57961 76681
38600 47908 78633 71648 88415 40546 37115 70104 02976 65489
27008 79256 40397 78544 70512 71548 93850 73506

17431/15841/13934 kHz, 19-05/21-05, 0910/0930/0950 UTC

00190 00125 64933 95816 57535 16717 28854 44093 41343 62658
07993 39753 46576 36780 10929 30591 52021 86850 55457 78515
94396 44449 63542 26726 26322 20352 13850 66424 82901 96224
70549 91276 79336 96998 42910 55514 81267 72670 23359 71435
13608 05869 39871 79842 84435 02173 69265 00880 45225 64032
89592 24605 90258 92500 77479 22118 44291 88824 64175 91646
65724 45604 75503 79254 22947 52147 10476 26072 22877 90481
88399 84963 97841 89621 27262 40107 59002 35158 51915 74240
90798 12624 93341 33889 77893 04645 77359 44283 00505 85766
87601 52108 01121 67912 99689 38434 70338 59634 41504 63249
22608 43001 97640 72010 01364 44226 97818 80764 21395 14620
51521 96045 19870 68267 45449 06537 18288 68146 87800 36222
99544 56787 65481 19166 68063 76249 88076 04503

17431/15841/13934 kHz, 26-05/28-05, 0910/0930/0950 UTC

00829 00110 60709 60214 32385 27861 07620 38662 04436 21415
61905 27810 51163 21041 91678 50374 50783 07890 44479 29508
08534 43924 95428 79601 98864 32010 82782 14246 82313 62699
26216 91722 22647 87057 92288 26420 80597 14330 38127 98500
38245 58074 83632 23026 37372 88356 34031 74520 85056 88772
46871 89037 03060 32386 70800 56563 81530 59363 24481 76066
28015 58111 38434 71580 88494 68092 74532 77969 35116 37243
41785 80848 66619 00010 88660 41601 17024 74499 01968 71796
54306 91726 30234 21279 29784 01252 67776 45036 19546 74669
13217 62536 51884 93162 38960 57169 30571 04412 04920 45818
36087 92568 64596 36010 83088 58918 00036 46726 85657 93473
90200 70056 00567

19561/18365/17468 kHz, 1700/1720/1740 UTC**19561/18365/17468 kHz, 06-05/08-05, 1700/1720/1740 UTC**

00781 00124 59116 53355 40548 17366 51779 33025 63823 03530
94977 47202 85886 60166 45976 69646 03425 24516 83992 05329
14690 92671 50719 46121 24269 12722 59024 24691 57838 43548
70016 05205 97224 43733 57332 08494 54075 01716 52819 53098
39813 91582 81545 33113 26561 98089 23745 00923 68884 40478
78009 94111 61027 94518 67395 87348 77438 03877 25333 39720
39157 07818 73740 21332 55941 73303 00155 60982 38469 97650
51219 78814 49037 52081 70455 61104 35924 05166 34966 30589
06143 62657 08398 41804 04750 91092 44107 68401 08751 79316
60805 17149 30369 97194 17009 88158 66276 62858 12684 20613
10819 81992 66492 23021 43983 42166 82776 31357 63278 94789
32723 44899 39427 79676 98770 00478 58588 43753 38542 52741
16003 80959 06019 46067 36718 80864 43721

19561/18365/17468 kHz, 13-05, 1700/1720/1740 UTC

04428 00001 00000 37256

19561/18365/17468 kHz, 15-05, 1700/1720/1740 UTC

06540 00001 00000 33661

19561/18365/17468 kHz, 20-05/22-05, 1700/1720/1740 UTC

00612 00173 30062 10764 30034 16953 19391 84163 38785 21456
12239 50235 05450 48916 68468 78254 61802 84273 69004 76633
68836 92579 29492 01884 04830 12384 11852 95814 39785 85763
70193 57337 47697 74196 48264 71596 73235 54473 56284 34134
64254 10183 35875 47025 74401 16884 25263 74983 75171 42155
51930 83742 28067 34876 97694 60162 01324 78586 04701 21976
12473 35177 37130 87518 56460 14645 90327 97237 59586 75580
96145 49639 92577 02437 16871 88282 94363 25239 42368 69115
19920 66671 55652 26293 98208 74412 41658 01881 52388 65399
09587 77100 95683 54960 15505 33954 28963 22179 75143 39096
18823 67175 88677 04547 57467 71283 14608 66587 46807 74437
17354 50538 38607 49503 23996 71591 33118 51269 25790 55872
85682 78583 86797 32366 27276 25814 74902 00284 74579 41976
84473 76941 56245 30443 78484 00710 65470 84043 26486 60659
62832 71469 33542 81354 72202 19714 84349 79223 04123 56443
73173 10097 85833 63241 05406 11931 73375 07086 03319 23066
02160 61176 04563 94853 54728 54097 51513 69685 86615 07436
66461 39259 47052 09361 39687 21446

19561/18365/17468 kHz, 27-05, 1700/1720/1740 UTC

04713 00001 00000 36255

XPB1

20061 kHz, 02-05/06-05/09-05/13-05/16-05/20-05/23-05, 1300 UTC
19361 kHz, 02-05/06-05/09-05/13-05/16-05/20-05/23-05, 1310 UTC
18261 kHz, 02-05/06-05/09-05/13-05/16-05/20-05/23-05, 1320 UTC
17461 kHz, 02-05/06-05/09-05/13-05/16-05/20-05/23-05, 1330 UTC
16261 kHz, 02-05/06-05/09-05/13-05/16-05/20-05/23-05, 1340 UTC
14961 kHz, 02-05/06-05/09-05/13-05/16-05/20-05/23-05, 1350 UTC

13961 kHz, 03-05/07-05/10-05/14-05/17-05/21-05/24-05, 1100 UTC
13361 kHz, 03-05/07-05/10-05/14-05/17-05/21-05/24-05, 1110 UTC
12161 kHz, 03-05/07-05/10-05/14-05/17-05/21-05/24-05, 1120 UTC
11461 kHz, 03-05/07-05/10-05/14-05/17-05/21-05/24-05, 1130 UTC
10761 kHz, 03-05/07-05/10-05/14-05/17-05/21-05/24-05, 1140 UTC
10161 kHz, 03-05/07-05/10-05/14-05/17-05/21-05/24-05, 1150 UTC

19554 kHz, 05-05/06-05/12-05/13-05/19-05/20-05/26-05/27-05, 0500 UTC
19054 kHz, 05-05/06-05/12-05/13-05/19-05/20-05/26-05/27-05, 0510 UTC
18054 kHz, 05-05/06-05/12-05/13-05/19-05/20-05/26-05/27-05, 0520 UTC
17454 kHz, 05-05/06-05/12-05/13-05/19-05/20-05/26-05/27-05, 0530 UTC
16354 kHz, 05-05/06-05/12-05/13-05/19-05/20-05/26-05/27-05, 0540 UTC
15854 kHz, 05-05/06-05/12-05/13-05/19-05/20-05/26-05/27-05, 0550 UTC

X-- Russian intelligence

10278 kHz, 20-05, 1600 UTC, MFSK-21/MFSK-13

DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

14755 kHz, 07-05, 0826 UTC, RFSM-8000
18515 kHz, 07-05, 1020 UTC, RFSM-8000
17440 kHz, 07-05, 1223 UTC, RFSM-8000
18455 kHz, 07-05, 1258 UTC, RFSM-8000
18515 kHz, 15-05, 0738 UTC, RFSM-8000
14755 kHz, 15-05, 0822 UTC, RFSM-8000
13388 kHz, 15-05, 1223 UTC, RFSM-8000
17440 kHz, 15-05, 1224 UTC, RFSM-8000
18455 kHz, 15-05, 1257 UTC, RFSM-8000
18515 kHz, 16-05, 1022 UTC, RFSM-8000
17440 kHz, 16-05, 1224 UTC, RFSM-8000
18455 kHz, 16-05, 1258 UTC, RFSM-8000
14755 kHz, 19-05, 0824 UTC, RFSM-8000
17440 kHz, 19-05, 1221 UTC, RFSM-8000
18515 kHz, 19-05, 1021 UTC, RFSM-8000

Diplomatic stations: Egypt

14623.7 kHz, 02-05, 1331 UTC, SITOR-A 100/170
17547.7 kHz, 02-05, 1436 UTC, SITOR-A 100/170
17545.0 kHz, 02-05, 1438 UTC, CODAN
16334.7 kHz, 02-05, 1441 UTC, SITOR-A 100/170
17425.0 kHz, 06-05, 0940 UTC, CODAN
17426.7 kHz, 06-05, 0943 UTC, SITOR-A 100/170
17415.0 kHz, 06-05, 1007 UTC, CODAN
20036.6 kHz, 06-05, 1428 UTC, SITOR-A 100/170

MFA Cairo clg OOVX: Egyptian embassy Ankara
MFA Cairo clg RCVB: Egyptian embassy Washington
99903: MFA Cairo clg 66601: Egyptian embassy Washington
MFA Cairo clg RCVB: Egyptian embassy Washington
99903: MFA Cairo wkg 11105: Egyptian embassy Rome
MFA Cairo wkg XBVP: Egyptian embassy Rome
99903: MFA Cairo wkg 11105: Egyptian embassy Rome
MFA Cairo clg RCVB: Egyptian embassy Washington

Diplomatic stations: North Korea

14300 kHz, 02-05, 0655 UTC, DPRK-ARQ 600/600 LSB
 14200 kHz, 04-05, 0735 UTC, DPRK-ARQ 1200/600 LSB
 14300 kHz, 04-05, 0735 UTC, DPRK-ARQ 600/600 LSB
 14600 kHz, 04-05, 0735 UTC, DPRK-ARQ 600/600 LSB
 14100 kHz, 14-05, 0701 UTC, DPRK-ARQ 600/600 LSB
 14300 kHz, 18-05, 0730 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 21-05, 0704 UTC, DPRK-ARQ 600/600 LSB
 14300 kHz, 21-05, 0727 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Vienna
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Berlin
 Unid DPRK embassy wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Warsaw
 DPRK embassy Moscow wkg DPRK embassy Berlin
 DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
 DPRK embassy Moscow wkg DPRK embassy Nerlin

15500 kHz, 21-05, 0804 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow sneidng msg 123 to DPRK embassy Bucharest
 Message 123, 204 groups
 07078 15307 13308 21811 01070 98785 72534 03099 38307 02912
 54196 51885 19166 34743 79611 53478 69298 28031 81352 25219
 75838 40302 37793 55848 75808 71131 14378 74983 10965 83525
 81319 65643 67965 06261 97612 52236 51933 12851 83375 42841
 24534 62546 76544 85346 60381 95826 68677 20212 23348 61342
 28491 91594 22013 08958 01937 66594 85009 04181 69425 59267
 97571 46677 30095 18191 29895 33724 17890 28034 78861 35111
 73327 52362 75661 05220 49059 78927 79616 46665 23965 36648
 60846 93127 75073 96651 41224 59654 66038 40748 96679 75244
 60037 83176 50388 17003 73351 67623 79768 85745 09910 30294
 05658 53489 62385 69332 49146 46558 50724 83621 23794 32143
 33649 70124 00728 98500 86813 10096 28755 25175 25544 65464
 81650 82194 42770 50962 27719 06407 40669 36646 75739 03720
 08973 56809 85093 37203 57413 02595 87101 37345 98995 23092
 12246 18936 79271 81461 53931 34529 96908 72569 17127 97421
 90141 69374 01916 14221 38304 96163 75828 66387 36097 07566
 50078 11447 79571 66645 24637 36583 92609 16675 46395 93261
 94154 29014 36343 21951 55434 12347 81825 75409 32575 05550
 48588 24477 91891 75263 93113 16294 41917 77285 85393 41783
 15525 06311 93679 23608 97438 47432 58203 55090 68983 81214
 29894 24508 24470 02123

15555 kHz, 21-05, 0806 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 22-05, 0703 UTC, DPRK-ARQ 600/600 LSB
 14200 kHz, 24-05, 1330 UTC, DPRK-ARQ 600/600 LSB
 14820 kHz, 24-05, 1330 UTC, DPRK-ARQ 1200/600 LSB

Unid DPRK embassy wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
 DPRK embassy Moscow wkg DPRK embassy Prague
 DPRK embassy Rome wkg DPRK embassy Moscow

Diplomatic stations: Russia

18523 kHz, 06-05, 0852 UTC, MFSK-6
 18435 kHz, 06-05, 1647 UTC, MFSK-66
 17421 kHz, 06-05, 1649 UTC, MFSK-6
 14631 kHz, 07-05, 0833 UTC, MFSK-6
 15693 kHz, 07-05, 0840 UTC, MFSK-66
 16115 kHz, 07-05, 1110 UTC, MFSK-6
 14501 kHz, 07-05, 1533 UTC, MFSK-6
 17466 kHz, 12-05, 0831 UTC, Serdolik v2
 19235 kHz, 12-05, 0934 UTC, MFSK-6
 19273 kHz, 12-05, 0940 UTC, Serdolik v2
 13420 kHz, 13-05, 0753 UTC, MFSK-6
 17523 kHz, 13-05, 0804 UTC, MFSK-6
 14824 kHz, 16-05, 1029 UTC, MFSK-6
 14826 kHz, 16-05, 1254 UTC, Serdolik v2
 14828 kHz, 16-05, 1256 UTC, Serdolik v2
 17420 kHz, 16-05, 1319 UTC, MFSK-6
 16320 kHz, 16-05, 1324 UTC, MFSK-6
 15687 kHz, 20-05, 0825 UTC, MFSK-6

MFA Moscow clg 325614: Russian embassy Nairobi
 Russian diplo
 MFA Moscow clg 246531: Accra
 MFA Moscow clg 362154: Russian embassy Athens
 Russian diplo
 MFA Moscow clg 215346: Russian Consulate General Mumbai
 MFA Moscow clg 214356: Russian embassy Amman
 Russian diplo
 MFA Moscow clg 463125: Russian embassy Rabat
 Russian diplo
 MFA Moscow clg 534216: Russian embassy Baghdad
 MFA Moscow clg 542136: Russian embassy Beijing
 MFA Moscow clg 625413 Russian embassy Tel Aviv
 Russian diplo. Selcal
 Russian diplo
 MFA Moscow clg 241563: Russian Consulate General Karachi
 MFA Moscow clg 241563: Russian Consulate General Karachi
 MFA Moscow clg 154263: Russian embassy Rome

16167 kHz, 20-05, 0847 UTC, Serdolik v2	Russian diplo
16188 kHz, 20-05, 0901 UTC, MFSK-6	MFA Moscow clg 325614: Russian embassy Nairobi
16167 kHz, 20-05, 0907 UTC, Serdolik v2	Russian diplo
15945 kHz, 20-05, 0821 UTC, MFSK-66	Russian diplo
16167 kHz, 20-05, 0848 UTC, Serdolik v2	Russian diplo
16115 kHz, 21-05, 1108 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
20374 kHz, 21-05, 1222 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
16062 kHz, 22-05, 0802 UTC, Serdolik v2	Russian diplo. Idling
16062 kHz, 22-05, 0808 UTC, Serdolik v2	Russian diplo
14457 kHz, 22-05, 0803 UTC, MFSK-66	Russian diplo
16153 kHz, 22-05, 0816 UTC, MFSK-6	MFA Moscow clg 153624: Russian embassy Damascus
11156 kHz, 23-05, 0628 UTC, Serdolik v2	Russian diplo. Selcal
11156 kHz, 23-05, 0632 UTC, Serdolik v2	Russian diplo
11158 kHz, 23-05, 0632 UTC, Serdolik v2	Russian diplo
11155 kHz, 23-05, 0637 UTC, MFSK-6	MFA Moscow clg 341265: unid embassy
12177 kHz, 23-05, 0834 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
17523 kHz, 23-05, 0926 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
17534 kHz, 23-05, 0630 UTC, Serdolik v2	Russian diplo. Selcal
17430 kHz, 25-05, 1040 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
13420 kHz, 27-05, 0814 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
16317 kHz, 27-05, 1152 UTC, MFSK-6	MFA Moscow clg 612534: Russian embassy Ashgabat
13985 kHz, 28-05, 0906 UTC, MFSK-6	MFA Moscow clg 134265: Russian embassy Tunis

UTILITY ROUND-UP

Unid stations

14954 kHz, 06-05, 1404 UTC, AX25 300bd. Possibly Turkish

HQ2CEN de CE4RAB Ctl C UI Pid=CC Len=64>

E@I\$@@@i~¼,ŠèKzFfABMIXhldP2FTUxpZUhZIUkRXLDBVUQ==

CE4RAB de HQ2CEN Ctl C UI Pid=CC Len=44>

E,*\$@@@pžaCxRHRx2UF0AZ3E=

CE4RAB de HQ2CEN Ctl C UI Pid=CC Len=96>

E'Ö]@@@b#šœL/!CxF/IFQcfiYTEWAnNldzMzZoYnJoBAsEtiAFETi6EwUIPFd2PTZ1dAFkaQd4JzUefg==

Who are they?

Stations heard are CE4TST, CE4ANK, CE4RAB, HQ2CEN

Known frequencies: 8135, 9204, 14954, 15897, 18257 kHz.

Mode: AX25 300Bd and 1200Bd

Sometimes MAILSLT\BROWSE____T | _RADIO__U_RADIO SERVER appears in the text

14836 kHz, 15-05, 1108 UTC, USB

Unid. Russian test count 1 2 3 4 5 6 7 8 9 0 (R3)

Unid Cyrillic morse

Endless Cyrillic 5-letter groups.

9165 kHz, 03-05, 0820 UTC

11165 kHz, 03-05, 0840-0949 UTC

17165 kHz, 03-05, 0950-1024 UTC

21165 kHz, 03-05, 1104 UTC

14550 kHz, 29-05, 1245 UTC

16650 kHz, 31-05, 1500 UTC.

Notes and TDoA by Linkz

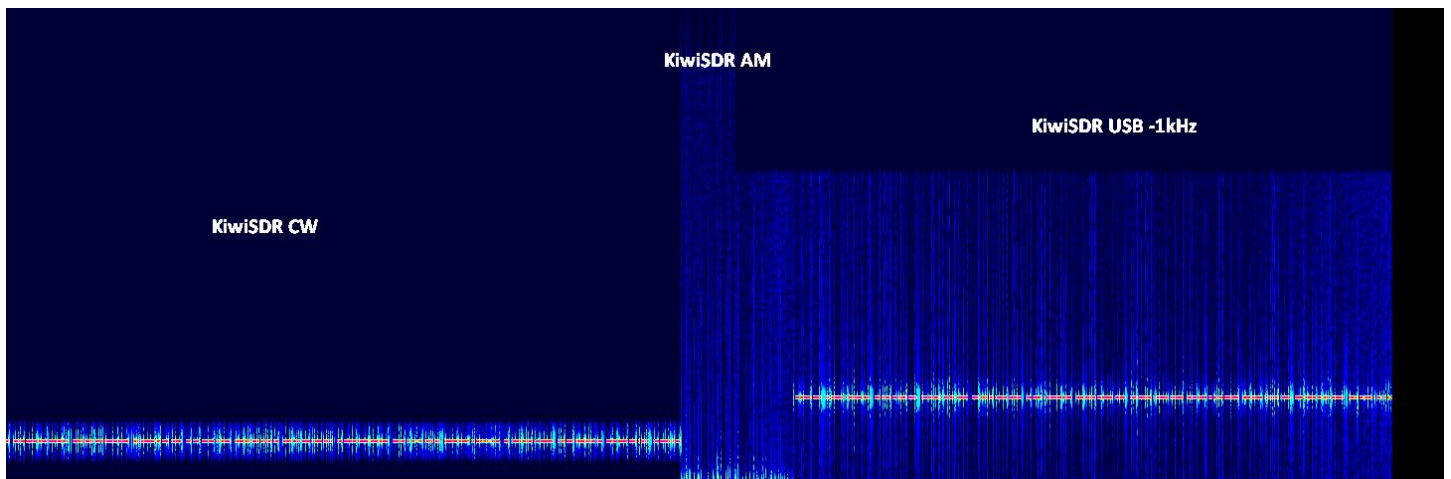
Looks like they are in AM mode and the CW machine seems to just activate the PTT

To me the spikes produced in this setup are probably generating the AF spurs we see when it's in USB/aCW mode, just a guess.



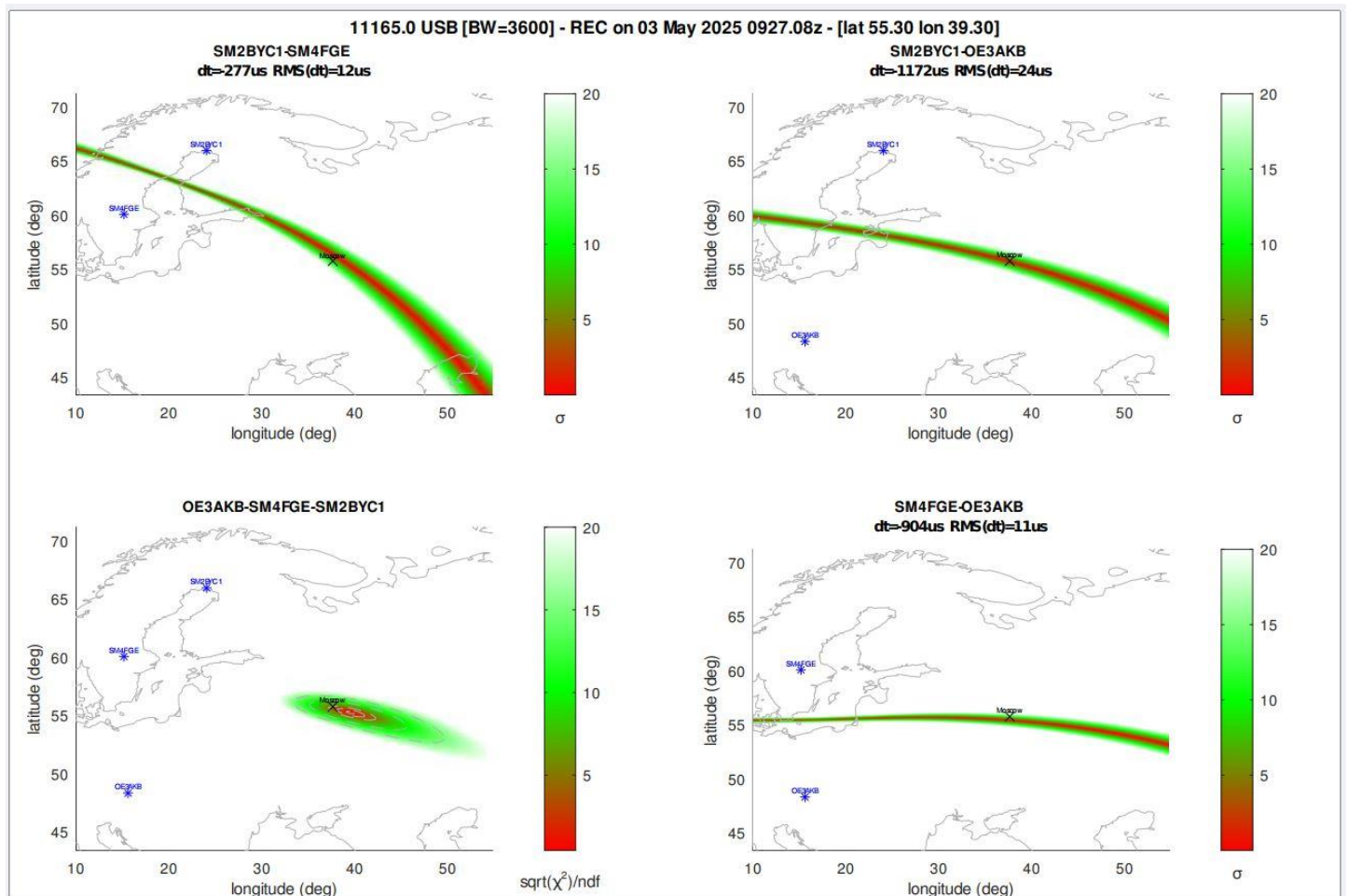
Audio recording made from one of Linkz's KiwiSDR

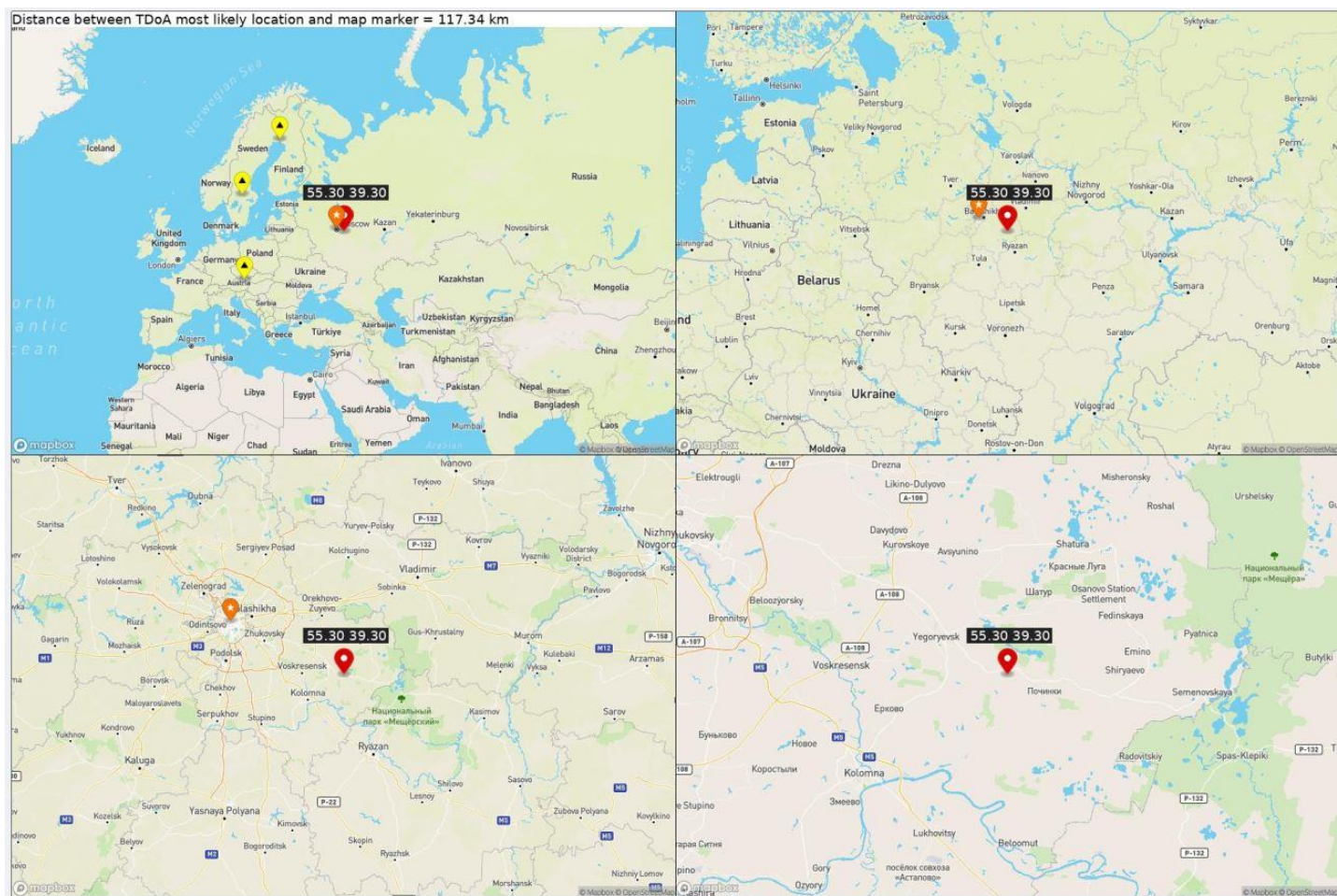
first part = CW demodulation -- middle part = AM demodulation -- last part = USB demodulation (f - 1kHz)



Screenshot of the abnormal setup (5LG_cyr.png)

TdoA points to Moscow (3 TDoAs on different freqs).. See below.





Unid station a.k.a. New Buzzer

5107/8160/9695 kHz, 03-05, 1740 UTC
5107/8160/9695 kHz, 10-05, 1805 UTC

RUSSIAN MILITARY TRANSCRIPTS

Morse transmissions

Russian Military morse traffic

7741 kHz, 16-05, 1314 UTC
XXX XXX ROSA 67890 BLIK 8675 1473 K (repeated)

12631 kHz, 20-05, 0815 UTC
RDL RDL RDL 85812 92515 85812 92512 85812 92515 K

Russian Navy morse traffic

19104 kHz, 13-05, 0846 UTC
RMEG RMEG RMEG DE RIW RIW QRR3 SK
RMEG RMEG RMEG DE RIW RIW QRR3 SK
AR
RMEG RMEG RMEG DE RIW RIW QRU
RMEG RMEG RMEG DE RIW RIW QRU
AR

LOGS SECTION

Code	Date	UTC	Freq	Day	Details	mode	ctrb
---	15-5	1108	14836	Thu	Russian test count 1 2 3 4 5 6 7 8 9 0 (R3)	USB	(AB)
---	25-5	1245	14550	Sun	Endless Cyrillic morse i.p.	CW	(TJ)
---	31-5	1500	16650	Sat	Endless Cyrillic morse i.p.	CW	(BR)
BUL	7-5	0826	14755	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-5	1020	18515	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-5	1223	17440	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-5	1258	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	15-5	0738	18515	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	15-5	0822	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	15-5	1223	13388	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	15-5	1224	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	15-5	1257	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	16-5	1022	18515	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	16-5	1224	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	16-5	1258	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-5	0824	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-5	1021	18515	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	19-5	1221	17440	Mon	Bulgarian diplo	RFSM-8000	(AB)
E06	3-5	1600	13457	Sat	480 721 45 94917 92731 59603 ... 90329 90265 94609 721 45 00000	USB	(AB/HFD/Lac)
E06	3-5	1630	11128	Sat	480 721 45 94917 92731 59603 ... 90329 90265 94609 721 45 00000	USB	(AB/HFD/Lac)
E06	4-5	0700	14735	Sun	480 721 45 94917 92731 59603 ... 90329 90265 94609 721 45 00000	USB	(AB/HFD/Lac)
E06	4-5	0800	12207	Sun	480 721 45 94917 92731 59603 ... 90329 90265 94609 721 45 00000	USB	(AB/Lac)
E06	18-5	1840	7235	Sun	Possible E06 i.p. 5FGs 352 72 00000	USB	(GCT)
E07	1-5	1000	17468	Thu	428 428 428 000	USB	(AB/HFD/Lac)
E07	1-5	1020	16292	Thu	428 428 428 000	USB	(AB/HFD/Lac)
E07	2-5	1500	16132	Fri	124 124 124 1 496 155 496 155 52457 76242 24729 ... 31479 20719 41456 000 000	USB	(AB/HFD)
E07	2-5	1520	18232	Fri	124 124 124 1 496 155 496 155 52457 76242 24729 ... 31479 20719 41456 000 000	USB	(AB/HFD)
E07	2-5	1540	19432	Fri	124 124 124 1 496 155 496 155 52457 76242 24729 ... 31479 20719 41456 000 000	USB	(AB/HFD)
E07	3-5	1000	17468	Sat	428 428 428 000	USB	(AB/Lac)
E07	3-5	1020	16292	Sat	428 428 428 000	USB	(AB)
E07	6-5	1500	16132	Tue	124 124 124 000	USB	(AB)
E07	6-5	1520	18232	Tue	124 124 124 000	USB	(AB)
E07	8-5	1000	17468	Thu	428 428 428 1 462 149 462 149 50613 22039 58563 ... 86918 61782 75784 000 000	USB	(AB/HFD/Lac)
E07	8-5	1020	16292	Thu	428 428 428 1 462 149 462 149 50613 22039 58563 ... 86918 61782 75784 000 000	USB	(AB/HFD/Lac)
E07	8-5	1040	14876	Thu	428 428 428 1 462 149 462 149 50613 22039 58563 ... 86918 61782 75784 000 000	USB	(AB/HFD/Lac)
E07	9-5	1500	16132	Fri	124 124 124 000	USB	(AB)
E07	9-5	1520	18232	Fri	124 124 124 000	USB	(AB)
E07	10-5	1000	17468	Sat	428 428 428 1 462 149 462 149 50613 22039 58563 ... 86918 61782 75784 000 000	USB	(AB/Lac)

E07	10-5	1020	16292	Sat	428 428 428 1 462 149 462 149 50613 22039 58563 ... 86918 61782 75784 000 000	USB	(AB/Lac)
E07	10-5	1040	14876	Sat	428 428 428 1 462 149 462 149 50613 22039 58563 ... 86918 61782 75784 000 000	USB	(AB/Lac)
E07	13-5	1500	16132	Tue	124 124 124 1 8428 91 8428 91 79642 31600 65251 ... 46343 03297 05040 000 000	USB	(AB/Lac)
E07	13-5	1520	18232	Tue	124 124 124 1 8428 91 8428 91 79642 31600 65251 ... 46343 03297 05040 000 000	USB	(AB/Lac)
E07	13-5	1540	19432	Tue	124 124 124 1 8428 91 8428 91 79642 31600 65251 ... 46343 03297 05040 000 000	USB	(AB/Lac)
E07	15-5	1000	17468	Thu	428 428 428 000	USB	(AB)
E07	15-5	1020	16292	Thu	428 428 428 000	USB	(AB)
E07	16-5	1500	16132	Fri	124 124 124 1 8428 91 8428 91 79642 31600 65251 ... 46343 03297 05040 000 000	USB	(AB)
E07	16-5	1520	18232	Fri	124 124 124 1 8428 91 8428 91 79642 31600 65251 ... 46343 03297 05040 000 000	USB	(AB)
E07	16-5	1540	19432	Fri	124 124 124 1 8428 91 8428 91 79642 31600 65251 ... 46343 03297 05040 000 000	USB	(AB)
E07	17-5	1000	17468	Sat	428 428 428 000	USB	(AB)
E07	17-5	1020	16292	Sat	428 428 428 000	USB	(AB)
E07	20-5	1500	16132	Tue	124 124 124 000	USB	(AB)
E07	20-5	1520	18232	Tue	124 124 124 000	USB	(AB)
E07	22-5	1000	17468	Thu	428 428 428 1 376 107 376 107 41871 66234 86940 ... 23276 16277 48184 000 000	USB	(AB/Lac)
E07	22-5	1020	16292	Thu	428 428 428 1 376 107 376 107 41871 66234 86940 ... 23276 16277 48184 000 000	USB	(AB/Lac)
E07	22-5	1040	14876	Thu	428 428 428 1 376 107 376 107 41871 66234 86940 ... 23276 16277 48184 000 000	USB	(AB/Lac)
E07	23-5	1500	16132	Fri	124 124 124 000	USB	(AB)
E07	23-5	1520	18232	Fri	124 124 124 000	USB	(AB)
E07	24-5	1000	17468	Sat	428 428 428 1 376 107 376 107 41871 66234 86940 ... 23276 16277 48184 000 000	USB	(AB/Lac)
E07	24-5	1020	16292	Sat	428 428 428 1 376 107 376 107 41871 66234 86940 ... 23276 16277 48184 000 000	USB	(AB/Lac)
E07	24-5	1040	14876	Sat	428 428 428 1 376 107 376 107 41871 66234 86940 ... 23276 16277 48184 000 000	USB	(AB/Lac)
E07	27-5	1500	16132	Tue	124 124 124 1 5096 180 5096 180 36444 15468 68103 ... 55992 49111 89401 000 000	USB	(AB/Lac)
E07	27-5	1520	18232	Tue	124 124 124 1 5096 180 5096 180 36444 15468 68103 ... 55992 49111 89401 000 000	USB	(AB/Lac)
E07	27-5	1540	19432	Tue	124 124 124 1 5096 180 5096 180 36444 15468 68103 ... 55992 49111 89401 000 000	USB	(AB/Lac)
E07	30-5	1500	16132	Fri	124 124 124 1 5096 180 5096 180 36444 15468 68103 ... 55992 49111 89401 000 000	USB	(Lac)
E11	1-5	0645	11092	Thu	511/00 Out	USB	(Lac/HFD)
E11	1-5	0745	14940	Thu	221/00 Out	USB	(AB/HFD/Lac)
E11	1-5	0845	19184	Thu	155/00 Out	USB	(AB/HFD/Lac)
E11	1-5	0930	6923	Thu	276/00 Out	USB	(AB/HFD/Lac)
E11	1-5	1300	5737	Thu	312/00 Out	USB	(AB/HFD/Lac)
E11	1-5	1530	10356	Thu	269/00 Out	USB	(AB/HFD)
E11	1-5	1645	14575	Thu	335/00 Out	USB	(AB/HFD)
E11	1-5	1800	5409	Thu	528/00 Out	USB	(AB)
E11	1-5	1900	7600	Thu	646/00 Out	USB	(AB/HFD)
E11	1-5	2000	5409	Thu	528/00	USB	(HFD)
E11	2-5	0700	8680	Fri	570/00 Out	USB	(AB/HFD)
E11	2-5	0715	12530	Fri	635/00 Out	USB	(AB/HFD/Lac)
E11	2-5	0745	15720	Fri	340/00 Out	USB	(AB/HFD)
E11	2-5	0830	16335	Fri	182/00 Out	USB	(AB/HFD/Lac)
E11	2-5	1000	12153	Fri	305/00 Out	USB	(AB/HFD/Lac)
E11	2-5	1715	7863	Fri	978/00 Out	USB	(AB/HFD)

E11	3-5	1430	12984	Sat	910/00 Out	USB	(AB/HFD)
E11	3-5	1610	4783	Sat	396/00 Out	USB	(AB/HFD)
E11	4-5	1605	5231	Sun	238/00 Out	USB	(AB/HFD)
E11	4-5	1745	14410	Sun	242/00 Out	USB	(AB/HFD)
E11	4-5	1815	12229	Sun	926/00 Out	USB	(AB/HFD)
E11	4-5	1910	9610	Sun	618/00 Out	USB	(AB/HFD)
E11	4-5	2000	5409	Sun	522/00 Out	USB	(AB)
E11	5-5	0315	18511	Mon	255/00 Out	USB	(HFD)
E11	5-5	0600	21906	Mon	944/00 Out	USB	(AB/HFD/Lac)
E11	5-5	0645	10508	Mon	416/00 Out	USB	(AB/HFD/Lac)
E11	5-5	0715	15915	Mon	759/00 Out	USB	(AB-POL/Lac)
E11	5-5	0830	16335	Mon	185/00 Out	USB	(AB-POL)
E11	5-5	0845	12815	Mon	713/00 Out	USB	(AB)
E11	5-5	0900	11116	Mon	536/00 Out	USB	(AB)
E11	5-5	1045	10210	Mon	690/00 Out	USB	(AB/HFD)
E11	5-5	1300	5737	Mon	313/00 Out	USB	(AB/Lac)
E11	5-5	1745	14410	Mon	246/00 Out	USB	(AB)
E11	6-5	0600	21906	Tue	940/00	USB	(Lac)
E11	6-5	0700	8680	Tue	579/00 Out	USB	(AB/HFD)
E11	6-5	0715	12530	Tue	634/00 Out	USB	(AB/Lac)
E11	6-5	0745	14940	Tue	221/00 Out	USB	(AB/HFD)
E11	6-5	0820	17378	Tue	138/00 Out	USB	(AB)
E11	6-5	0845	19184	Tue	151/00 Out	USB	(AB)
E11	6-5	1000	12153	Tue	302/00 Out	USB	(AB)
E11	6-5	1205	8274	Tue	469/00 Out	USB	(AB/HFD/Lac)
E11	6-5	1205	8274	Tue	469/00	USB	(HFD)
E11	6-5	1645	14575	Tue	338/00 Out	USB	(AB)
E11	7-5	0600	21906	Wed	940/00 Out	USB	(AB-POL)
E11	7-5	0645	10508	Wed	414/00 Out	USB	(AB/Lac)
E11	7-5	0715	15915	Wed	759/00 Out	USB	(Lac/HFD)
E11	7-5	0820	17378	Wed	132/00 Out	USB	(AB)
E11	7-5	0845	12815	Wed	714/00 Out	USB	(AB/HFD)
E11	7-5	0900	11116	Wed	535/00 Out	USB	(AB)
E11	7-5	0900	11116	Wed	535/00	USB	(HFD)
E11	7-5	1045	10210	Wed	693/00 Out	USB	(AB)
E11	7-5	1610	4783	Wed	392/00 Out	USB	(AB)
E11	8-5	0720	7984	Thu	435/00 Out	USB	(AB)
E11	8-5	0745	14940	Thu	228/00 Out	USB	(AB/Lac)
E11	8-5	0845	19184	Thu	150/00 Out	USB	(AB)
E11	8-5	1300	5737	Thu	313/00 Out	USB	(AB)
E11	8-5	1645	14575	Thu	330/00 Out	USB	(AB)
E11	9-5	0600	9150	Fri	350/00 Out	USB	(AB)

E11	9-5	0700	8680	Fri	570/00 Out	USB	(AB)
E11	9-5	0700	7377	Fri	490/00 Out	USB	(Lac)
E11	9-5	0715	12530	Fri	634/00 Out	USB	(AB)
E11	9-5	0720	7984	Fri	435/00 Out	USB	(AB)
E11	9-5	0830	16335	Fri	185/00 Out	USB	(AB/Lac)
E11	9-5	1000	12153	Fri	305/00 Out	USB	(AB)
E11	10-5	0700	7377	Sat	490/00 Out	USB	(AB)
E11	10-5	1610	4783	Sat	390/00 Out	USB	(AB-POL/Lac)
E11	10-5	1645	5082	Sat	363/00 Out	USB	(AB)
E11	11-5	0600	9150	Sun	351/00 Out	USB	(AB)
E11	11-5	0700	7377	Sun	496/00 Out	USB	(AB)
E11	11-5	1645	5082	Sun	365/00 Out	USB	(AB)
E11	11-5	1815	12229	Sun	927/00 Out	USB	(AB)
E11	12-5	0715	15915	Mon	750/00 Out	USB	(AB/Lac)
E11	12-5	0745	9610	Mon	268/00 out	USB	(AB)
E11	12-5	0845	12815	Mon	715/00 Out	USB	(AB/Lac)
E11	12-5	0900	11116	Mon	533/00 Out	USB	(AB/Lac)
E11	12-5	1300	5737	Mon	315/00 Out	USB	(AB)
E11	12-5	1900	7600	Mon	641/00 Out	USB	(AB/Lac)
E11	13-5	0645	11092	Tue	518/00 Out	USB	(AB)
E11	13-5	0725	17410	Tue	518/00 (Off after 27sec. Should be F03j)	USB	(AB)
E11	13-5	0820	17378	Tue	131/00 Out	USB	(AB)
E11	13-5	1430	12984	Tue	917/00 Out	USB	(AB/Lac)
E11	13-5	1605	5231	Tue	237/00 Out	USB	(AB/Lac)
E11	13-5	1645	14575	Tue	333/00 Out	USB	(AB/Lac)
E11	14-5	0715	15915	Wed	751/00 Out	USB	(AB/Lac)
E11	14-5	0745	15720	Wed	342/00 Out	USB	(AB)
E11	14-5	0820	17378	Wed	131/00 Out	USB	(AB)
E11	14-5	0845	12815	Wed	716/00 Out	USB	(AB)
E11	14-5	0900	11116	Wed	536/00 Out	USB	(AB)
E11	14-5	1610	4783	Wed	390/00 Out	USB	(AB/Lac)
E11	14-5	1715	7863	Wed	970/00 Out	USB	(AB/Lac)
E11	15-5	0720	7984	Thu	432/48 (R1m28s) off	USB	(AB)
E11	15-5	0845	19184	Thu	157/00 Out	USB	(AB)
E11	15-5	0930	6923	Thu	276/00 Out	USB	(AB)
E11	15-5	1300	5737	Thu	313/00 Out	USB	(AB)
E11	15-5	1530	10356	Thu	264/00 out	USB	(AB)
E11	15-5	1645	14575	Thu	335/00 Out	USB	(AB)
E11	15-5	1800	5409	Thu	525/00 Out	USB	(AB)
E11	15-5	1900	7600	Thu	648/00 Out	USB	(AB)
E11	16-5	0600	9150	Fri	352/00 Out	USB	(AB)
E11	16-5	0720	7984	Fri	434/00 Out	USB	(AB)

E11	16-5	0745	15720	Fri	344/00 Out	USB	(AB-CYP)
E11	16-5	1000	12153	Fri	300/00 Out	USB	(AB)
E11	16-5	1715	7863	Fri	978/00 Out	USB	(AB)
E11	16-5	1910	9610	Fri	614/00 Out	USB	(AB)
E11	17-5	0700	7377	Sat	498/00 Out	USB	(AB/Lac)
E11	17-5	1430	12984	Sat	917/00 Out	USB	(AB)
E11	17-5	1610	4783	Sat	392/00 Out	USB	(AB)
E11	17-5	1645	5082	Sat	366/00 Out	USB	(AB)
E11	18-5	0600	9150	Sun	353/00 Out	USB	(AB/Lac)
E11	18-5	0700	7377	Sun	490/00 Out	USB	(AB/Lac)
E11	18-5	1605	5231	Sun	233/00 Out	USB	(AB)
E11	18-5	1645	5082	Sun	364/00 Out	USB	(AB)
E11	18-5	1745	14410	Sun	248/00 Out	USB	(AB)
E11	18-5	1910	9610	Sun	610/00 Out	USB	(AB/GCT)
E11	18-5	2000	5409	Sun	524/00 Out	USB	(AB)
E11	19-5	0600	21906	Mon	941/00 Out	USB	(AB/Lac)
E11	19-5	0645	10508	Mon	414/00 Out	USB	(AB/Lac)
E11	19-5	0645	10508	Mon	414/00	USB	(Lac)
E11	19-5	0715	15915	Mon	757/00 Out	USB	(AB-POL)
E11	19-5	0745	9610	Mon	260/00 out	USB	(AB/Lac)
E11	19-5	0830	16335	Mon	183/00 Out	USB	(AB-POL)
E11	19-5	0845	12815	Mon	711/00 Out	USB	(AB)
E11	19-5	1045	10210	Mon	694/00 Out	USB	(AB)
E11	19-5	1900	7600	Mon	640/00 Out	USB	(AB)
E11	20-5	0645	11092	Tue	510/00 Out	USB	(AB/Lac)
E11	20-5	0700	8680	Tue	579/00 Out	USB	(AB/Lac)
E11	20-5	0715	12530	Tue	633/00 Out	USB	(AB/Lac)
E11	20-5	0845	19184	Tue	152/00 Out	USB	(AB)
E11	20-5	1000	12153	Tue	304/00 Out	USB	(AB)
E11	20-5	1205	8274	Tue	465/00 Out	USB	(AB)
E11	20-5	1430	12984	Tue	919/00 Out	USB	(AB)
E11	20-5	1605	5231	Tue	232/00 Out	USB	(AB)
E11	20-5	1645	14575	Tue	330/00 Out	USB	(AB)
E11	21-5	0600	21906	Wed	949/00 Out	USB	(AB-POL)
E11	21-5	0645	10508	Wed	412/00 Out	USB	(AB)
E11	21-5	0715	15915	Wed	750/00 Out	USB	(AB)
E11	21-5	0745	15720	Wed	347/00 Out	USB	(AB)
E11	21-5	0845	12815	Wed	716/00 Out	USB	(AB/Lac)
E11	21-5	0930	6923	Wed	271/00 Out	USB	(Lac)
E11	21-5	1045	10210	Wed	697/00 Out	USB	(AB/Lac)
E11	21-5	1610	4783	Wed	393/00 Out	USB	(AB)
E11	21-5	1715	7863	Wed	972/00 Out	USB	(AB)

E11	22-5	0645	11092	Thu	511/00 Out	USB	(AB/Lac)
E11	22-5	0720	7984	Thu	439/00 Out	USB	(AB)
E11	22-5	0845	19184	Thu	150/00 Out	USB	(AB/Lac)
E11	22-5	0930	6923	Thu	273/00 Out	USB	(AB)
E11	22-5	1530	10356	Thu	269/00 out	USB	(AB)
E11	22-5	1645	14575	Thu	331/00 Out	USB	(AB)
E11	22-5	1800	5409	Thu	521/00 Out	USB	(AB)
E11	22-5	1900	7600	Thu	647/00 Out	USB	(AB/Lac)
E11	23-5	0600	9150	Fri	353/00 Out	USB	(AB/Lac)
E11	23-5	0700	8680	Fri	570/00 Out	USB	(AB)
E11	23-5	0715	12530	Fri	631/00 Out	USB	(AB)
E11	23-5	0720	7984	Fri	434/00 Out	USB	(AB)
E11	23-5	0745	15720	Fri	340/00 Out	USB	(AB-CYP)
E11	23-5	0830	16335	Fri	189/00 Out	USB	(AB)
E11	23-5	1000	12153	Fri	304/00 Out	USB	(AB)
E11	23-5	1715	7863	Fri	977/00 Out	USB	(AB)
E11	23-5	1815	12229	Fri	927/00 Out	USB	(AB)
E11	23-5	1910	9610	Fri	616/00 Out	USB	(AB)
E11	24-5	0700	7377	Sat	495/00 Out	USB	(AB)
E11	24-5	1430	12984	Sat	912/00 Out	USB	(AB)
E11	24-5	1610	4783	Sat	391/00 Out	USB	(AB)
E11	24-5	1645	5082	Sat	360/00 Out	USB	(AB)
E11	25-5	0600	9150	Sun	353/00 Out	USB	(AB)
E11	25-5	0700	7377	Sun	491/00 Out	USB	(AB/Lac)
E11	25-5	1605	5231	Sun	236/00 Out	USB	(AB)
E11	25-5	1645	5082	Sun	367/00 Out	USB	(AB)
E11	25-5	1815	12229	Sun	920/00 Out	USB	(AB)
E11	25-5	1910	9610	Sun	610/00 Out	USB	(AB)
E11	25-5	2000	5409	Sun	527/00 Out	USB	(AB)
E11	26-5	0600	21906	Mon	946/00 Out	USB	(AB/Lac)
E11	26-5	0645	10508	Mon	413/00 Out	USB	(AB/Lac)
E11	26-5	0700	8680	Mon	576/00 Out	USB	(Lac)
E11	26-5	0715	12530	Mon	634/00 Out	USB	(Lac)
E11	26-5	0745	9610	Mon	261/00 out	USB	(AB)
E11	26-5	0830	16335	Mon	180/00 Out	USB	(Lac)
E11	26-5	0900	11116	Mon	532/00 Out	USB	(Lac)
E11	26-5	1045	10210	Mon	692/00 Out	USB	(Lac)
E11	26-5	1900	7600	Mon	643/00 Out	USB	(AB)
E11	27-5	0700	8680	Tue	576/00 Out	USB	(AB)
E11	27-5	0745	20640	Tue	223/00 Out	USB	(AB)
E11	27-5	0820	17378	Tue	135/00 Out	USB	(AB/Lac)
E11	27-5	1205	8274	Tue	460/00 Out	USB	(Lac)

E11	27-5	1430	12984	Tue	918/00 Out	USB	(AB/Lac)
E11	27-5	1605	5231	Tue	238/00 Out	USB	(AB)
E11	28-5	0645	10508	Wed	418/00 Out	USB	(AB)
E11	28-5	0715	12530	Wed	636/00 Out	USB	(Lac)
E11	28-5	0745	15720	Wed	344/00 Out	USB	(AB)
E11	28-5	0820	17378	Wed	136/00 Out	USB	(AB/Lac)
E11	29-5	0645	11092	Thu	510/00 Out	USB	(AB)
E11	29-5	1800	5409	Thu	522/00 Out	USB	(AB)
E11	29-5	1900	7600	Thu	648/00 Out	USB	(AB)
E11	31-5	1430	12984	Sat	911/00 Out	USB	(Lac)
E11a	1-5	0720	7984	Thu	439/32 Attention 11125 96924 25887 ... 05970 99738 01132 Attention (msg rptd) Out	USB	(Lac/HFD)
E11a	2-5	0600	9150	Fri	355/36 Attention 70992 93096 56209 ... 28819 47689 09107 Attention (msg rptd) Out	USB	(AB/HFD/Lac)
E11a	2-5	0720	7984	Fri	439/32 Attention 11125 96924 25887 ... 05970 99738 01132 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	3-5	0700	7377	Sat	490/40 Attention 84312 87287 95283 ... 80398 80957 87793 Attention (msg rptd) Out	USB	(AB/HFD/Lac)
E11a	3-5	1645	5082	Sat	367/34 Attention 26153 51736 63929 ... 46506 29249 78500 Attention (msg rptd) Out	USB	(AB/HFD/Lac)
E11a	4-5	0600	9150	Sun	355/36 Attention 70992 93096 56209 ... 28819 47689 09107 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	4-5	0700	7377	Sun	490/40 Attention 84312 87287 95283 ... 80398 80957 87793 Attention (msg rptd) Out	USB	(AB)
E11a	4-5	1645	5082	Sun	367/34 Attention 26153 51736 63929 ... 46506 29249 78500 Attention (msg rptd) Out	USB	(AB)
E11a	5-5	0745	9610	Mon	266/37 Attention 65831 35595 58259 ... 06572 74236 20926 Attention (msg rptd) out	USB	(AB/Lac)
E11a	5-5	1900	7600	Mon	640/36 Attention 54640 55489 29159 ... 26856 36211 58950 Attention (msg rptd) Out	USB	(AB)
E11a	6-5	0645	11092	Tue	518/40 Attention 45749 03508 52189 ... 77493 76348 49009 Attention (msg rptd) Out	USB	(AB/HFD/Lac)
E11a	6-5	1430	12984	Tue	915/32 Attention 17712 20257 47720 ... 96128 95799 84318 Attention (msg rptd) Out	USB	(AB)
E11a	6-5	1605	5231	Tue	232/39 Attention 87596 92657 15417 ... 89682 26884 77155 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	7-5	0745	15720	Wed	340/33 Attention 27532 28392 20421 ... 84120 19836 42782 Attention (msg rptd) Out	USB	(AB-CYP/Lac)
E11a	7-5	0930	6923	Wed	275/33 Attention 91486 72646 55044 ... 39503 54055 47347 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	7-5	1715	7863	Wed	972/32 Attention 98560 76490 34912 ... 67020 11378 40227 Attention (msg rptd) Out	USB	(AB)
E11a	8-5	0645	11092	Thu	518/40 Attention 45749 03508 52189 ... 77493 76348 49009 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	8-5	0930	6923	Thu	275/33 Attention 91486 72646 55044 ... 39503 54055 47347 Attention (msg rptd) Out	USB	(AB)
E11a	8-5	1530	10356	Thu	266/37 Attention 65831 35595 58259 ... 06572 74236 20926 Attention (msg rptd) out	USB	(AB/Lac)
E11a	8-5	1800	5409	Thu	524/33 Attention 54747 78876 22813 ... 75890 01400 45754 Attention (msg rptd) Out	USB	(AB)
E11a	8-5	1900	7600	Thu	640/36 Attention 54640 55489 29159 ... 26856 36211 58950 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	9-5	0745	15720	Fri	340/33 Attention 27532 28392 20421 ... 84120 19836 42782 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	9-5	1715	7863	Fri	972/32 Attention 98560 76490 34912 ... 67020 11378 40227 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	9-5	1910	9610	Fri	613/35 Attention 50409 00492 48698 ... 54964 36409 85842 Attention (msg rptd) Out	USB	(AB)
E11a	10-5	1430	12984	Sat	915/32 Attention 17712 20257 47720 ... 96128 95799 84318 Attention (msg rptd) Out	USB	(AB)
E11a	11-5	1605	5231	Sun	232/39 Attention 87596 92657 15417 ... 89682 26884 77155 Attention (msg rptd) Out	USB	(AB)
E11a	11-5	1910	9610	Sun	613/35 Attention 50409 00492 48698 ... 54964 36409 85842 Attention (msg rptd) Out	USB	(AB)
E11a	11-5	2000	5409	Sun	524/33 Attention 54747 78876 22813 ... 75890 01400 45754 Attention (msg rptd) Out	USB	(AB)
E11a	12-5	0600	21906	Mon	945/35 Attention 09122 55323 90438 ... 65224 66500 39142 Attention (msg rptd) Out	USB	(AB-POL)
E11a	12-5	0645	10508	Mon	413/39 Attention 25347 38917 38383 ... 68052 75626 85736 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	12-5	0830	16335	Mon	180/24 Attention 51702 63918 19284 ... 54047 60235 28498 Attention (msg rptd) Out	USB	(AB-POL)
E11a	12-5	1045	10210	Mon	697/30 Attention 79998 23997 22408 ... 92443 68746 22161 Attention (msg rptd) Out	USB	(AB)

E11a	13-5	0700	8680	Tue	575/35 Attention 41597 89883 98364 ... 90153 09613 77983 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	13-5	0715	12530	Tue	636/34 Attention 95900 23634 63711 ... 44637 80056 61146 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	13-5	1205	8274	Tue	464/33 44281 18593 66301 ... 94790 26181 26783 Attention (msg rptd) Out	USB	(AB)
E11a	14-5	0600	21906	Wed	945/35 Attention 09122 55323 90438 ... 65224 66500 39142 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	14-5	0645	10508	Wed	413/39 Attention 25347 38917 38383 ... 68052 75626 85736 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	14-5	1045	10210	Wed	697/30 Attention 79998 23997 22408 ... 92443 68746 22161 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	14-5	1205	8274	Wed	464/33 44281 18593 66301 ... 94790 26181 26783 Attention (msg rptd) Out	USB	(Lac)
E11a	16-5	0700	8680	Fri	575/35 Attention 41597 89883 98364 ... 90153 09613 77983 Attention (msg rptd) Out	USB	(AB)
E11a	16-5	0715	12530	Fri	636/34 Attention 95900 23634 63711 ... 44637 80056 61146 Attention (msg rptd) Out	USB	(AB)
E11a	16-5	0830	16335	Fri	180/24 Attention 51702 63918 19284 ... 54047 60235 28498 Attention (msg rptd) Out	USB	(AB)
E11a	16-5	1815	12229	Fri	924/39 Attention 08518 23064 63582 ... 59766 50349 31706 Attention (msg rptd) Out	USB	(AB)
E11a	18-5	1815	12229	Sun	924/39 Attention 08518 23064 63582 ... 59766 50349 31706 Attention (msg rptd) Out	USB	(AB)
E11a	19-5	0900	11116	Mon	537/31 Attention 38114 00998 99918 ... 59656 61102 93225 Attention (msg rptd) Out	USB	(AB)
E11a	19-5	1300	5737	Mon	314/35 Attention 93980 45750 26669 ... 50418 34620 56509 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	19-5	1745	14410	Mon	247/33 Attention 68426 06259 41537 ... 32892 54059 04559 Attention (msg rptd) Out	USB	(AB)
E11a	20-5	0820	17378	Tue	133/37 Attention 61765 39835 10134 ... 72925 28461 43386 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	21-5	0820	17378	Wed	133/37 Attention 61765 39835 10134 ... 72925 28461 43386 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	21-5	0900	11116	Wed	537/31 Attention 38114 00998 99918 ... 59656 61102 93225 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	22-5	0745	20640	Thu	229/32 Attention 40102 23579 04908 ... 12933 07642 18149 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	22-5	1300	5737	Thu	314/35 Attention 93980 45750 26669 ... 50418 34620 56509 Attention (msg rptd) Out	USB	(AB)
E11a	25-5	1745	14410	Sun	247/33 Attention 68426 06259 41537 ... 32892 54059 04559 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	26-5	0715	15915	Mon	753/32 Attention 02528 81674 14364 ... 73088 45571 11395 Attention (msg rptd) out	USB	(AB/Lac)
E11a	26-5	0845	12815	Mon	716/38 Attention 08295 15527 37905 ... 11862 16073 71617 Attention (msg rptd) out	USB	(Lac)
E11a	27-5	0845	19184	Tue	154/21 Attention 90340 09472 03255 ... 52238 52512 30339 Attention (msg rptd) out	USB	(Lac)
E11a	27-5	1000	12153	Tue	300/39 Attention 70112 31497 63978 ... 61431 53252 38208 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	27-5	1645	14575	Tue	336?/40 Attention _____ 05229 ... 53451 62999 51290 Attention (msg rptd) Out	USB	(AB)
E11a	28-5	0715	15915	Wed	753/32 Attention 02528 81674 14364 ... 73088 45571 11395 Attention (msg rptd) out	USB	(Lac)
E11a	28-5	0845	12815	Wed	716/38 Attention 08295 15527 37905 ... 11862 16073 71617 Attention (msg rptd) out	USB	(AB/Lac)
E11a	28-5	1610	4783	Wed	394/35 Attention 65823 14572 65664 ... 70317 62367 52463 Attention (msg rptd) Out	USB	(AB)
E11a	30-5	1000	12153	Fri	300/39 Attention 70112 31497 63978 ... 61431 53252 38208 Attention (msg rptd) Out	USB	(AB)
EGY	2-5	1331	14623.7	Fri	MFA Cairo clg OOVX: Egyptian embassy Ankara	SITOR-A 100/170	(AB)
EGY	2-5	1436	17547.7	Fri	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	2-5	1438	17545	Fri	99903: MFA Cairo clg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	2-5	1441	16334.7	Fri	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	6-5	0940	17425	Tue	99903: MFA Cairo wkg 11105: Egyptian embassy Rome	CODAN	(AB)
EGY	6-5	0943	17426.7	Tue	MFA Cairo wkg XBVP: Egyptian embassy Rome	SITOR-A 100/170	(AB)
EGY	6-5	1007	17415	Tue	99903: MFA Cairo wkg 11105: Egyptian embassy Rome	CODAN	(AB)
EGY	6-5	1428	20035	Tue	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	6-5	1428	20036.6	Tue	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
F01	1-5	1015	11414	Thu	Messages 23 and 24	FSK 200/500	(AB)
F01	1-5	1025	9317	Thu	Messages 23 and 24	FSK 200/500	(AB)
F01	1-5	1035	7572	Thu	Messages 23 and 24	FSK 200/500	(AB)

F01	2-5	1015	11414	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	2-5	1025	9317	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	2-5	1035	7572	Fri	00000 +++++ +++++	FSK 200/500	(AB/HFD)
F01	5-5	1015	11414	Mon	Message 25	FSK 200/1000	(AB)
F01	5-5	1025	9317	Mon	Message 25	FSK 200/1000	(AB)
F01	5-5	1035	7572	Mon	Message 25	FSK 200/1000	(AB)
F01	6-5	1015	11414	Tue	Messages 26 and 27	FSK 200/500	(AB)
F01	6-5	1025	9317	Tue	Messages 26 and 27	FSK 200/500	(AB)
F01	6-5	1035	7572	Tue	Messages 26 and 27	FSK 200/500	(AB)
F01	7-5	1015	11414	Wed	Message 28	FSK 200/1000	(AB)
F01	7-5	1025	9317	Wed	Message 28	FSK 200/1000	(AB)
F01	7-5	1035	7572	Wed	Message 28	FSK 200/1000	(AB)
F01	8-5	1015	11414	Thu	Messages 29 and 30	FSK 200/500	(AB)
F01	8-5	1025	9317	Thu	Messages 29 and 30	FSK 200/500	(AB)
F01	8-5	1035	7572	Thu	Messages 29 and 30	FSK 200/500	(AB)
F01	9-5	1015	11414	Fri	00000 +++++ +++++ Wrong shift	FSK 200/1000	(AB)
F01	9-5	1025	9317	Fri	00000 +++++ +++++ Wrong shift	FSK 200/1000	(AB)
F01	9-5	1035	7572	Fri	00000 +++++ +++++ Wrong shift	FSK 200/1000	(AB)
F01	12-5	1015	11414	Mon	Message 31	FSK 200/1000	(AB)
F01	12-5	1025	9317	Mon	Message 31	FSK 200/1000	(AB)
F01	12-5	1035	7572	Mon	Message 31	FSK 200/1000	(AB)
F01	13-5	1015	11414	Tue	Messages 32 and 33	FSK 200/500	(AB)
F01	13-5	1025	9317	Tue	Messages 32 and 33	FSK 200/500	(AB)
F01	13-5	1035	7572	Tue	Messages 32 and 33	FSK 200/500	(AB)
F01	14-5	1015	11414	Wed	Message 34	FSK 200/1000	(AB)
F01	14-5	1025	9317	Wed	Message 34	FSK 200/1000	(AB)
F01	14-5	1035	7572	Wed	Message 34	FSK 200/1000	(AB)
F01	15-5	1015	11414	Thu	Messages 35 and 36	FSK 200/500	(AB)
F01	15-5	1025	9317	Thu	Messages 35 and 36	FSK 200/500	(AB)
F01	15-5	1035	7572	Thu	Messages 35 and 36	FSK 200/500	(AB)
F01	16-5	1015	11414	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	16-5	1025	9317	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	16-5	1035	7572	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	19-5	1015	11414	Mon	Message 37	FSK 200/1000	(AB)
F01	19-5	1025	9317	Mon	Message 37	FSK 200/1000	(AB)
F01	19-5	1035	7572	Mon	Message 37	FSK 200/1000	(AB)
F01	20-5	1015	11414	Tue	Messages 38 and 39	FSK 200/500	(AB)
F01	20-5	1025	9317	Tue	Messages 38 and 39	FSK 200/500	(AB)
F01	20-5	1035	7572	Tue	Messages 38 and 39	FSK 200/500	(AB)
F01	21-5	1015	11414	Wed	Too weak to copy. Probably message 40	FSK 200/1000	(AB)
F01	21-5	1025	9317	Wed	Too weak to copy. Probably message 40	FSK 200/1000	(AB)
F01	21-5	1035	7572	Wed	Too weak to copy. Probably message 40	FSK 200/1000	(AB)

F01	22-5	1015	11414	Thu	Messages 41 and 42	FSK 200/500	(AB)
F01	22-5	1025	9317	Thu	Messages 41 and 42	FSK 200/500	(AB)
F01	22-5	1035	7572	Thu	Messages 41 and 42	FSK 200/500	(AB)
F01	23-5	1015	11414	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	23-5	1025	9317	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	23-5	1035	7572	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	28-5	1015	11414	Wed	Message 45	FSK 200/1000	(AB)
F01	28-5	1025	9317	Wed	Message 45	FSK 200/1000	(AB)
F01	28-5	1035	7572	Wed	Message 45	FSK 200/1000	(AB)
F02	14-5	0700	16083	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F03j	1-5	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0435	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	1-5	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0700	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0705	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0810	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0815	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0850	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0855	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	2-5	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	0810	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	0815	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-5	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	6-5	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)

F03j	6-5	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0810	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0815	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-5	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	0615	17120	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	0620	17120	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-5	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	8-5	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	8-5	0615	12630	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0620	12630	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0700	8530	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0705	8530	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	8-5	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0700	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0705	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0810	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0815	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0850	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0855	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	9-5	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-5	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-5	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	12-5	0810	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-5	0815	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-5	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-5	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-5	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-5	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0615	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0620	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0810	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0815	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-5	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	0615	17120	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	0620	17120	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	0915	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	0920	6304	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-5	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	15-5	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	15-5	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0615	12630	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0620	12630	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0700	8530	Thu	Polish intel. No transmission	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0705	8530	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	15-5	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	16-5	0700	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0705	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0810	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0815	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0850	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0855	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	16-5	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0615	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0620	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0810	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0815	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0930	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	0935	6923	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	1010	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-5	1015	12984	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0430	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0435	9079	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0615	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0620	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0810	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0815	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-5	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-5	0615	17120	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-5	0620	17120	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-5	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-5	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-5	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-5	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0430	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0430	6125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)

F03j	22-5	0430	16125	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(TM)
F03j	22-5	0435	9079	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0615	12630	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0620	12630	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0700	8530	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0705	8530	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0725	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0730	17410	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0735	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0740	10210	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0835	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0840	19099	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0915	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	22-5	0920	6304	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0700	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0705	8530	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0810	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0815	18903	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0850	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0855	12630	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0930	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0935	6923	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0945	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	23-5	0950	7663	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-5	0615	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-5	0620	17120	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-5	0735	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-5	0740	10210	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-5	0810	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-5	0815	18903	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0615	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0620	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0725	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0730	17410	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0800	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0805	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0810	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0815	12630	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0835	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0840	19099	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0945	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-5	0950	7663	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	28-5	0800	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-5	0805	18030	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-5	1010	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-5	1015	12984	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-5	0700	8530	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	29-5	0705	8530	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03I	1-5	0635	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-5	0640	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-5	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-5	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-5	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	1-5	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-5	0530	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-5	0535	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-5	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-5	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-5	0635	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-5	0640	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-5	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-5	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-5	0530	17120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-5	0535	17120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-5	0635	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-5	0640	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-5	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-5	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-5	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	8-5	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-5	0530	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-5	0535	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-5	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-5	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-5	0635	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-5	0640	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-5	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-5	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-5	0530	17120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-5	0535	17120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-5	0635	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-5	0640	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-5	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-5	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	15-5	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-5	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-5	0530	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-5	0535	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-5	1830	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-5	1835	6304	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-5	0635	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-5	0640	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-5	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-5	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-5	0530	17120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-5	0535	17120	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-5	0635	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-5	0640	20414	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-5	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-5	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-5	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	22-5	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-5	0530	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-5	0535	17120	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-5	0635	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-5	0640	20414	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-5	1800	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-5	1805	12385	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-5	1800	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-5	1805	12385	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-5	1830	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	29-5	1835	6304	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-5	0700	11163	Thu	11166 70202 16485 30020 02059 and 11166 70202 41532 30021 01919	FSK 200/1000	(AB)
F06	1-5	0710	9271	Thu	11166 70202 16485 30020 02059 and 11166 70202 41532 30021 01919	FSK 200/1000	(AB)
F06	1-5	0720	7532	Thu	11166 70202 16485 30020 02059 and 11166 70202 41532 30021 01919	FSK 200/1000	(AB)
F06	1-5	1200	10523	Thu	11166 70202 16485 30020 02059 and 11166 70202 41532 30021 01919 Wrong shift	FSK 200/500	(AB)
F06	1-5	1210	8129	Thu	11166 70202 16485 30020 02059 and 11166 70202 41532 30021 01919 Wrong shift	FSK 200/500	(AB)
F06	1-5	1220	6947	Thu	11166 70202 16485 30020 02059 and 11166 70202 41532 30021 01919	FSK 200/1000	(AB)
F06	1-5	1330	18417	Thu	11166 80214 21547 01057 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	1-5	1340	13975	Thu	11166 80214 21547 01057 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	1-5	1350	11588	Thu	11166 80214 21547 01057 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	2-5	0700	11163	Fri	11166 70202 64913 01063 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	2-5	0710	9271	Fri	11166 70202 64913 01063 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	2-5	0720	7532	Fri	11166 70202 64913 01063 00049 00000 00000 00000 00000. Wrong date	FSK 200/1000	(AB)
F06	3-5	1700	12211	Sat	11100 00000 65893 29020 02039	FSK 200/1000	(AB)
F06	3-5	1710	10576	Sat	11100 00000 65893 29020 02039	FSK 200/1000	(AB)

F06	3-5	1720	8075	Sat	11100 00000 65893 29020 02039	FSK 200/1000	(AB)
F06	4-5	0830	13396	Sun	11100 00000 65893 29020 02039	FSK 200/1000	(AB/PY)
F06	4-5	0840	11123	Sun	11100 00000 65893 29020 02039	FSK 200/1000	(AB/PY)
F06	4-5	0850	9089	Sun	11100 00000 65893 29020 02039	FSK 200/1000	(AB/PY)
F06	4-5	1530	23129	Sun	11166 10053 15487 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-5	1540	18763	Sun	11166 10053 15487 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-5	1550	16255	Sun	11166 10053 15487 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-5	0400	12219	Mon	11166 70059 15487 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-5	0410	10448	Mon	11166 70059 15487 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	5-5	0420	8139	Mon	11166 70059 15487 05001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-5	0030	14373	Tue	11166 60070 25813 06078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-5	0040	11411	Tue	11166 60070 25813 06078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-5	0050	9965	Tue	11166 60070 25813 06078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-5	0700	11163	Tue	11166 70202 19872 05023 01559 and 11166 70202 96752 05024 02199	FSK 200/1000	(AB)
F06	6-5	0710	9271	Tue	11166 70202 19872 05023 01559 and 11166 70202 96752 05024 02199	FSK 200/1000	(AB)
F06	6-5	0720	7532	Tue	11166 70202 19872 05023 01559 and 11166 70202 96752 05024 02199	FSK 200/1000	(AB)
F06	6-5	0800	9962	Tue	11100 00000 16485 30088 03379	FSK 200/1000	(AB/PY)
F06	6-5	0810	7709	Tue	11100 00000 16485 30088 03379	FSK 200/1000	(AB/PY)
F06	6-5	1200	10523	Tue	11166 70202 19872 05023 01559 and 11166 70202 96752 05024 02199	FSK 200/1000	(AB)
F06	6-5	1210	8129	Tue	11166 70202 19872 05023 01559 and 11166 70202 96752 05024 02199	FSK 200/1000	(AB)
F06	6-5	1220	6947	Tue	11166 70202 19872 05023 01559 and 11166 70202 96752 05024 02199	FSK 200/1000	(AB)
F06	6-5	1650	22893	Tue	11166 10053 74523 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-5	1700	17455	Tue	11166 10053 74523 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-5	1710	15651	Tue	11166 10053 74523 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-5	0700	11163	Thu	11166 70202 34285 07026 01839 and 11166 70202 96352 07027 01819	FSK 200/1000	(AB)
F06	8-5	0710	9271	Thu	11166 70202 34285 07026 01839 and 11166 70202 96352 07027 01819	FSK 200/1000	(AB)
F06	8-5	0720	7532	Thu	11166 70202 34285 07026 01839 and 11166 70202 96352 07027 01819	FSK 200/1000	(AB)
F06	8-5	1200	10523	Thu	11166 70202 34285 07026 01839 and 11166 70202 96352 07027 01819	FSK 200/1000	(AB)
F06	8-5	1210	8129	Thu	11166 70202 34285 07026 01839 and 11166 70202 96352 07027 01819	FSK 200/1000	(AB)
F06	8-5	1220	6947	Thu	11166 70202 34285 07026 01839 and 11166 70202 96352 07027 01819	FSK 200/1000	(AB)
F06	8-5	1330	18417	Thu	11166 80214 24985 08014 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	8-5	1340	13975	Thu	11166 80214 24985 08014 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	8-5	1350	11588	Thu	11166 80214 24985 08014 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	9-5	0700	11163	Fri	11166 70202 35128 09045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-5	0710	9271	Fri	11166 70202 35128 09045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-5	0720	7532	Fri	11166 70202 35128 09045 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-5	1700	12211	Sat	11100 00000 35147 07021 02159	FSK 200/1000	(AB)
F06	10-5	1710	10576	Sat	11100 00000 35147 07021 02159	FSK 200/1000	(AB)
F06	10-5	1720	8075	Sat	11100 00000 35147 07021 02159	FSK 200/1000	(AB)
F06	11-5	0830	13396	Sun	11100 00000 35147 07021 02159	FSK 200/1000	(AB)
F06	11-5	0840	11123	Sun	11100 00000 35147 07021 02159	FSK 200/1000	(AB)
F06	11-5	0850	9089	Sun	11100 00000 35147 07021 02159	FSK 200/1000	(AB)

F06	11-5	1530	23129	Sun	11166 10053 25813 11078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-5	1540	18763	Sun	11166 10053 25813 11078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-5	1550	16255	Sun	11166 10053 25813 11078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	12-5	0800	9962	Mon	11100 00000 17286 07089 00739	FSK 200/1000	(AB-RUS/PY)
F06	12-5	0810	7709	Mon	11100 00000 17286 07089 00739	FSK 200/1000	(AB-S)
F06	13-5	0030	14373	Tue	11166 60070 13467 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-5	0040	11411	Tue	11166 60070 13467 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-5	0050	9965	Tue	11166 60070 13467 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-5	0700	11163	Tue	11166 70202 21543 12029 01959 and 11166 70202 74531 12030 01879	FSK 200/1000	(AB)
F06	13-5	0710	9271	Tue	11166 70202 21543 12029 01959 and 11166 70202 74531 12030 01879	FSK 200/1000	(AB)
F06	13-5	0720	7532	Tue	11166 70202 21543 12029 01959 and 11166 70202 74531 12030 01879	FSK 200/1000	(AB)
F06	13-5	0800	9962	Tue	11100 00000 17286 07089 00739	FSK 200/1000	(AB-RUS/PY)
F06	13-5	0810	7709	Tue	11100 00000 17286 07089 00739	FSK 200/1000	(AB-S)
F06	13-5	1200	10523	Tue	11166 70202 21543 12029 01959 and 11166 70202 74531 12030 01879	FSK 200/1000	(AB)
F06	13-5	1210	8129	Tue	11166 70202 21543 12029 01959 and 11166 70202 74531 12030 01879	FSK 200/1000	(AB)
F06	13-5	1220	6947	Tue	11166 70202 21543 12029 01959 and 11166 70202 74531 12030 01879	FSK 200/1000	(AB)
F06	13-5	1650	22893	Tue	11166 10053 95621 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-5	1700	17455	Tue	11166 10053 95621 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-5	1710	15651	Tue	11166 10053 95621 13001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-5	0700	11163	Thu	11166 70202 57391 14032 01019 and 11166 70202 03168 14033 02239	FSK 200/1000	(AB)
F06	15-5	0710	9271	Thu	11166 70202 57391 14032 01019 and 11166 70202 03168 14033 02239	FSK 200/1000	(AB)
F06	15-5	0720	7532	Thu	11166 70202 57391 14032 01019 and 11166 70202 03168 14033 02239	FSK 200/1000	(AB)
F06	15-5	1200	10523	Thu	11166 70202 57391 14032 01019 and 11166 70202 03168 14033 02239	FSK 200/1000	(AB)
F06	15-5	1210	8129	Thu	11166 70202 57391 14032 01019 and 11166 70202 03168 14033 02239	FSK 200/1000	(AB)
F06	15-5	1220	6947	Thu	11166 70202 57391 14032 01019 and 11166 70202 03168 14033 02239	FSK 200/1000	(AB)
F06	15-5	1330	18417	Thu	11166 80214 10258 15030 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	15-5	1340	13975	Thu	11166 80214 10258 15030 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	15-5	1350	11588	Thu	11166 80214 10258 15030 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	16-5	0700	11163	Fri	11166 70202 78962 15019 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-5	0710	9271	Fri	11166 70202 78962 15019 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-5	0720	7532	Fri	11166 70202 78962 15019 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-5	1530	23129	Sun	11166 10053 87531 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	18-5	1540	18763	Sun	11166 10053 87531 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-5	1550	16255	Sun	11166 10053 87531 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-5	0400	12219	Mon	11166 70059 21456 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-5	0410	10448	Mon	11166 70059 21456 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-5	0420	8139	Mon	11166 70059 21456 19001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-5	0800	9962	Mon	11100 00000 23451 16090 00759	FSK 200/1000	(AB/PY)
F06	19-5	0810	7709	Mon	11100 00000 23451 16090 00759	FSK 200/1000	(AB-S)
F06	20-5	0030	14373	Tue	11166 60070 15948 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-5	0040	11411	Tue	11166 60070 15948 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-5	0050	9965	Tue	11166 60070 15948 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	20-5	0700	11163	Tue	11166 70202 25841 19035 01879 and 11166 70202 23568 19036 01439	FSK 200/1000	(AB)
F06	20-5	0710	9271	Tue	11166 70202 25841 19035 01879 and 11166 70202 23568 19036 01439	FSK 200/1000	(AB)
F06	20-5	0720	7532	Tue	11166 70202 25841 19035 01879 and 11166 70202 23568 19036 01439	FSK 200/1000	(AB)
F06	20-5	0800	9962	Tue	11100 00000 23451 16090 00759	FSK 200/1000	(AB/PY)
F06	20-5	0810	7709	Tue	11100 00000 23451 16090 00759	FSK 200/1000	(AB-S)
F06	20-5	1200	10523	Tue	11166 70202 25841 19035 01879 and 11166 70202 23568 19036 01439	FSK 200/1000	(AB)
F06	20-5	1210	8129	Tue	11166 70202 25841 19035 01879 and 11166 70202 23568 19036 01439	FSK 200/1000	(AB)
F06	20-5	1220	6947	Tue	11166 70202 25841 19035 01879 and 11166 70202 23568 19036 01439	FSK 200/1000	(AB)
F06	20-5	1650	22893	Tue	11166 10053 25813 20078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-5	1700	17455	Tue	11166 10053 25813 20078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-5	1710	15651	Tue	11166 10053 25813 20078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-5	0700	11163	Thu	11166 70202 16482 21038 01679 and 11166 70202 74258 21039 01839	FSK 200/1000	(AB)
F06	22-5	0710	9271	Thu	11166 70202 16482 21038 01679 and 11166 70202 74258 21039 01839	FSK 200/1000	(AB)
F06	22-5	0720	7532	Thu	11166 70202 16482 21038 01679 and 11166 70202 74258 21039 01839	FSK 200/1000	(AB)
F06	22-5	1200	10523	Thu	11166 70202 16482 21038 01679 and 11166 70202 74258 21039 01839	FSK 200/1000	(AB)
F06	22-5	1210	8129	Thu	11166 70202 16482 21038 01679 and 11166 70202 74258 21039 01839	FSK 200/1000	(AB)
F06	22-5	1220	6947	Thu	11166 70202 16482 21038 01679 and 11166 70202 74258 21039 01839	FSK 200/1000	(AB)
F06	22-5	1330	18417	Thu	11166 80214 45283 22094 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	22-5	1340	13975	Thu	11166 80214 45283 22094 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	22-5	1350	11588	Thu	11166 80214 45283 22094 00049 00000 00000 00000 00000	FSK 200/500	(AB)
F06	25-5	1530	23129	Sun	11166 10053 15948 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB-KWT)
F06	25-5	1540	18763	Sun	11166 10053 15948 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-5	1550	16255	Sun	11166 10053 15948 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-5	0700	11163	Tue	11166 70202 75148 26040 00799 and 11166 70202 05963 26041 02839	FSK 200/1000	(AB)
F06	27-5	0710	9271	Tue	11166 70202 75148 26040 00799 and 11166 70202 05963 26041 02839	FSK 200/1000	(AB)
F06	27-5	0720	7532	Tue	11166 70202 75148 26040 00799 and 11166 70202 05963 26041 02839	FSK 200/1000	(AB)
F06	27-5	0800	9962	Tue	11100 00000 85203 26091 01279	FSK 200/1000	(AB/PY)
F06	27-5	0810	7709	Tue	11100 00000 85203 26091 01279	FSK 200/1000	(AB-S/PY)
F06	27-5	1650	22893	Tue	11166 10053 97531 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-5	1700	17455	Tue	11166 10053 97531 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-5	1710	15651	Tue	11166 10053 97531 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06a	1-5	0600	14763	Thu	File 42440 (binary contents)	FSK 200/1000	(AB/PY)
F06a	1-5	0615	16325	Thu	File 42440 (binary contents)	FSK 200/1000	(AB/PY)
F06a	1-5	0630	19561	Thu	File 42440 (binary contents)	FSK 200/1000	(AB/PY)
F06a	3-5	0300	9299	Sat	File 41418 (binary contents)	FSK 200/1000	(AB)
F06a	3-5	0315	11623	Sat	File 41418 (binary contents)	FSK 200/1000	(AB)
F06a	3-5	0330	13411	Sat	File 41418 (binary contents)	FSK 200/1000	(AB)
F06a	5-5	0700	11163	Mon	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	5-5	0715	9271	Mon	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	5-5	0730	7532	Mon	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	5-5	1200	10523	Mon	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	5-5	1215	8129	Mon	File 44422 (binary contents)	FSK 200/1000	(AB)

F06a	5-5	1230	6947	Mon	File 44422 (binary contents)	FSK 200/1000	(AB)
F06a	7-5	0700	11163	Wed	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	7-5	0715	9271	Wed	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	7-5	0730	7532	Wed	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	7-5	1200	10523	Wed	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	7-5	1215	8129	Wed	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	7-5	1230	6947	Wed	File 44425 (binary contents)	FSK 200/1000	(AB)
F06a	8-5	0600	14763	Thu	File 44341 (binary contents)	FSK 200/1000	(AB/PY)
F06a	8-5	0600	14763	Thu	File 44341 (binary contents)	FSK 200/1000	(PY)
F06a	8-5	0615	16325	Thu	File 44341 (binary contents)	FSK 200/1000	(AB)
F06a	8-5	0615	16325	Thu	File 44341 (binary contents)	FSK 200/1000	(PY)
F06a	8-5	0630	19561	Thu	File 44341 (binary contents)	FSK 200/1000	(AB)
F06a	8-5	0630	19561	Thu	File 44341 (binary contents)	FSK 200/1000	(PY)
F06a	10-5	0300	9299	Sat	File 41419 (binary contents)	FSK 200/1000	(AB)
F06a	10-5	0315	11623	Sat	File 41419 (binary contents)	FSK 200/1000	(AB)
F06a	10-5	0330	13411	Sat	File 41419 (binary contents)	FSK 200/1000	(AB)
F06a	12-5	0700	11163	Mon	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	12-5	0715	9271	Mon	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	12-5	0730	7532	Mon	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	12-5	1200	10523	Mon	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	12-5	1215	8129	Mon	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	12-5	1230	6947	Mon	File 44428 (binary contents)	FSK 200/1000	(AB)
F06a	14-5	0600	14763	Wed	File 54442 (binary contents)	FSK 200/1000	(AB/PY)
F06a	14-5	0615	16325	Wed	File 54442 (binary contents)	FSK 200/1000	(AB/PY)
F06a	14-5	0630	19561	Wed	File 54442 (binary contents)	FSK 200/1000	(AB)
F06a	14-5	0700	11163	Wed	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	14-5	0715	9271	Wed	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	14-5	0730	7532	Wed	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	14-5	1200	10523	Wed	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	14-5	1215	8129	Wed	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	14-5	1230	6947	Wed	File 44431 (binary contents)	FSK 200/1000	(AB)
F06a	15-5	0600	14763	Thu	File 54442 (binary contents)	FSK 200/1000	(AB)
F06a	15-5	0615	16325	Thu	File 54442 (binary contents)	FSK 200/1000	(AB)
F06a	15-5	0630	19561	Thu	File 54442 (binary contents)	FSK 200/1000	(AB)
F06a	17-5	0300	9299	Sat	File 44520 (binary contents)	FSK 200/1000	(AB)
F06a	17-5	0315	11623	Sat	File 44520 (binary contents)	FSK 200/1000	(AB)
F06a	17-5	0330	13411	Sat	File 44520 (binary contents)	FSK 200/1000	(AB)
F06a	17-5	1615	20987	Sat	File 44520 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	17-5	1630	18477	Sat	File 44520 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	19-5	0700	11163	Mon	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	19-5	0715	9271	Mon	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	19-5	0730	7532	Mon	File 44434 (binary contents)	FSK 200/1000	(AB)

F06a	19-5	1200	10523	Mon	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	19-5	1215	8129	Mon	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	19-5	1230	6947	Mon	File 44434 (binary contents)	FSK 200/1000	(AB)
F06a	21-5	0600	14763	Wed	File 44843 (binary contents)	FSK 200/1000	(AB/PY)
F06a	21-5	0615	16325	Wed	File 44843 (binary contents)	FSK 200/1000	(AB/PY)
F06a	21-5	0630	19561	Wed	File 44843 (binary contents)	FSK 200/1000	(AB/PY)
F06a	21-5	0700	11163	Wed	File 44437 (binary contents)	FSK 200/1000	(AB)
F06a	21-5	0715	9271	Wed	File 44437 (binary contents)	FSK 200/1000	(AB)
F06a	21-5	0730	7532	Wed	File 44437 (binary contents)	FSK 200/1000	(AB)
F06a	21-5	1200	10523	Wed	File 44437 (binary contents)	FSK 200/1000	(AB)
F06a	21-5	1215	8129	Wed	File 44437 (binary contents)	FSK 200/1000	(AB)
F06a	21-5	1230	6947	Wed	File 44437 (binary contents)	FSK 200/1000	(AB)
F06a	22-5	0600	14763	Thu	File 44843 (binary contents)	FSK 200/1000	(AB/PY)
F06a	22-5	0615	16325	Thu	File 44843 (binary contents)	FSK 200/1000	(AB)
F06a	22-5	0630	19561	Thu	File 44843 (binary contents)	FSK 200/1000	(AB)
F06a	24-5	0315	9299	Sat	File 64421 (binary contents)	FSK 200/1000	(AB)
F06a	24-5	0315	11623	Sat	File 64421 (binary contents)	FSK 200/1000	(AB)
F06a	24-5	0330	13411	Sat	File 64421 (binary contents)	FSK 200/1000	(AB)
F06a	24-5	1600	24680	Sat	File 64421 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	24-5	1615	20987	Sat	File 64421 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	24-5	1630	18477	Sat	File 64421 (binary contents)	FSK 200/1000	(AB-KWT)
F06a	26-5	0700	11163	Mon	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	26-5	0715	9271	Mon	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	26-5	0730	7532	Mon	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	28-5	0615	17511	Wed	File 46444 (binary contents)	FSK 200/1000	(PY)
F06a	29-5	0615	17511	Thu	File 46444 (binary contents)	FSK 200/1000	(AB/PY)
F06a	29-5	0630	18534	Thu	File 46444 (binary contents)	FSK 200/1000	(AB)
F06a	30-5	1900	16344	Fri	File 40442 (binary contents)	FSK 200/1000	(PY)
F06a	30-5	1915	15748	Fri	File 40442 (binary contents)	FSK 200/1000	(PY)
F06a	30-5	1930	14367	Fri	File 40442 (binary contents)	FSK 200/1000	(PY)
F06a	31-5	0600	12208	Sat	File 40442 (binary contents)	FSK 200/1000	(AB/PY)
F06a	31-5	0600	12208	Sat	File 40442 (binary contents)	FSK 200/1000	(AB/PY)
F06a	31-5	0615	11122	Sat	File 40442 (binary contents)	FSK 200/1000	(AB/PY)
F06a	31-5	0615	11122	Sat	File 40442 (binary contents)	FSK 200/1000	(AB/PY)
F06a	31-5	0630	10243	Sat	File 40442 (binary contents)	FSK 200/1000	(AB/PY)
F06a	31-5	0630	10243	Sat	File 40442 (binary contents)	FSK 200/1000	(AB/PY)
F07	1-5	2000	16329	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	1-5	2010	15887	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	1-5	2020	14937	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	1-5	2030	14458	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	1-5	2040	13892	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	1-5	2050	12207	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)

[illegible]

F07	29-5	2000	16329	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-5	2010	15887	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-5	2020	14937	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-5	2030	14458	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-5	2040	13892	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-5	2050	12207	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
KRE	2-5	0655	14300	Fri	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-5	0735	14200	Sun	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	4-5	0735	14300	Sun	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-5	0735	14600	Sun	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-5	0701	14100	Wed	DPRK embassy Moscow wkg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-5	0730	14300	Sun	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	21-5	0704	16252	Wed	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	21-5	0727	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Nerlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	21-5	0804	15500	Wed	DPRK embassy Moscow sneidng msg 123 to DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	21-5	0806	15555	Wed	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	22-5	0703	16252	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-5	1330	14200	Sat	DPRK embassy Moscow wkg DPRK embassy Prague	DPRK-ARQ 600/600 LSB	(AB)
KRE	24-5	1330	14820	Sat	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
M01	1-5	1800	5280	Thu	025 241 241 30 30 = = 72890 39487 82736 ... 59387 28374 19283 = = 241 241 30 30 000	CW	(AB/HFD)
M01	1-5	2000	4903	Thu	025 930 930 30 30 = = 82736 47828 37489 ... 18273 92874 28374 = = 930 930 30 30 0000	CW	(AB/HFD)
M01	3-5	1500	6435	Sat	025 (also 052 055 022 02250 050 255 525 0202 205) = 543 543 30 30 = = 23412 23143 78960 ... 46465476 42415 2241	CW	(AB)
M01	4-5	0717	9736	Sun	475 206 206 50 50 = = 22382 29472 6884_ (unreadable)	CW	(PY/HFD)
M01	6-5	1800	5280	Tue	025 309 309 30 30 50590 94383 85956 ... 01859 01954 81900 309 309 30 30 0000	CW	(AB)
M01	6-5	2000	4903	Tue	025 593 593 30 30 49100 94311 94481 ... 93095 (39095) 85934 82908 593 593 30 30 000 (31 groups)	CW	(AB)
M01	8-5	1800	5280	Thu	025 581 581 30 30 = = 38172 39049 57109 ... 59832 57482 47390 = = 581 581 30 30 000	CW	(AB)
M01	8-5	2000	4903	Thu	025 101 101 30 30 = = 73827 39043 17263 ... 90083 69512 46533 = = 101 101 30 30 000	CW	(AB)
M01	10-5	1500	6435	Sat	025 880 30 = 60978 ...	CW	(AB/HFD)
M01	11-5	0728	9736	Sun	i.p. = = 246 246 50 50 000	CW	(PY)
M01	13-5	1800	5280	Tue	025 468 468 30 30 67101 75840 86855 ... 468 468 30 30 000	CW	(AB)
M01	13-5	2000	4903	Tue	025 369 369 30 30 59101 84420 94032 ... 75836 82754 82755 369 369 30 30 000	CW	(AB)
M01	15-5	1800	5280	Thu	025 465 465 30 30 = = 36584 86948 57894 ... 73869 36176 64739 = = 465 465 30 30 000	CW	(AB)
M01	15-5	2000	4903	Thu	025 274 274 30 30 = = 48481 59017 50991 ... 475847358 59104 40 = = 274 274 30 30 000	CW	(AB)
M01	17-5	1459	6435	Sat	025 806 806 30 30 = = 82930 02938 29387 ... 47653 84756 12873 = = 806 806 30 30 000	CW	(AB-S)
M01	18-5	0700	6780	Sun	025 512 512 30 30 73847 28374 62536 ... 19202 19287 83938512 512 30 30 30 000	CW	(AB)
M01	20-5	1800	5280	Tue	025 891 891 30 30 = = 78392 20817 58392 ... 47904 58103 89043 = = 891 891 30 30 000	CW	(AB)
M01	20-5	2000	4903	Tue	025 378 378 30 30 = = 56748 18594 57382 ... 37194 56473 47890 = = 378 378 30 30 000	CW	(AB)
M01	22-5	1800	5280	Thu	025 564 564 30 30 25830 67402 77392 ... 80321 00482 94821 564 564 30 30 000	CW	(AB)
M01	22-5	2000	4903	Thu	025 725 725 30 30 12034 09843 23475 ... 83743 38475 73643 725 725 30 30 000	CW	(AB)
M01	24-5	0720	9737	Sat	i.p. 79217 = 177 50 = 000 long zeroes in outro	CW	(PY)

M01	24-5	1500	6435	Sat	025 609 609 30 30 = = 89893 50018 48392 ... 89231 48903 58833 = = 690 690 30 30 000	CW	(AB-S)
M01	24-5	1502	6435	Sat	025 690 690 30 30 = = 87893 50018 48392 ... 89231 48903 58833 690 690 30 30 000	CW	(PY)
M01	25-5	0700	6780	Sun	025 (too weak to copy)	CW	(AB)
M01	25-5	0715	9736	Sun	475 = = 177 50 177 50 = 22497 16804 39976 ... 48411 46763 79217 = = 177 50 177 50 = 000	CW	(PY)
M01	27-5	1800	5280	Tue	025 821 821 30 30 = = 27364 72634 25374 ... 09273 29384 93483 821 821 30 30 000	CW	(AB/PY)
M01	27-5	2000	4903	Tue	025 154 154 30 30 = = 17283 74637 28374 ... 64758 65748 26473 154 154 30 30 000	CW	(PY)
M01	29-5	1800	5280	Thu	025 (too weak to copy)	CW	(AB)
M01	29-5	1800	5280	Thu	025 721 721 30 30 = = 15267 64738 74657 (poor signal) = = 721 721 30 30 000	CW	(PY)
M01	29-5	2000	4903	Thu	025 134 134 30 30 = = 26374 56478 47584 ... 73645 64536 64736 = = 134 134 30 30 000	CW	(PY)
M01	31-5	1500	6435	Sat	025 212 212 30 30 = = 56745 54756 54673 ... 12341432413 2413 (unreadable) 30 30 000	CW	(PY)
M12	1-5	1800	11435	Thu	938 938 938 1 2406 82 2406 82 66414 63203 52668 ... 63094 14890 64060 000 000	CW	(AB/HFD)
M12	1-5	1820	10598	Thu	938 938 938 1 2406 82 2406 82 66414 63203 52668 ... 63094 14890 64060 000 000	CW	(AB/HFD)
M12	1-5	1840	9327	Thu	938 938 938 1 2406 82 2406 82 66414 63203 52668 ... 63094 14890 64060 000 000	CW	(AB/HFD)
M12	1-5	2000	13926	Thu	573 573 573 1 487 43 587 43 31051 77777 07407 ... 68036 49457 72552 000 000	CW	(AB/HFD)
M12	1-5	2020	13426	Thu	573 573 573 1 487 43 587 43 31051 77777 07407 ... 68036 49457 72552 000 000	CW	(AB/RL/HFD)
M12	1-5	2040	11526	Thu	573 573 573 1 487 43 587 43 31051 77777 07407 ... 68036 49457 72552 000 000	CW	(AB/RL/HFD)
M12	2-5	0800	13961	Fri	925 925 925 1 5373 127 5373 127 75052 89612 90650 ... 17628 48285 57010 000 000	CW	(Karman/HFD-J)
M12	2-5	0820	12201	Fri	925 925 925 1 5373 127 5373 127 75052 89612 90650 ... 17628 48285 57010 000 000	CW	(Karman/HFD-J)
M12	2-5	0840	10597	Fri	925 925 925 1 5373 127 5373 127 75052 89612 90650 ... 17628 48285 57010 000 000	CW	(Karman/HFD-J)
M12	2-5	1900	15936	Fri	975 975 975 1 3360 108 3360 108 69989 55282 95898 ... 10127 68483 95285 000 000	CW	(AB/RL/HFD)
M12	2-5	1920	14736	Fri	975 975 975 1 3360 108 3360 108 69989 55282 95898 ... 10127 68483 95285 000 000	CW	(AB/RL/HFD)
M12	2-5	1940	13536	Fri	975 975 975 1 3360 108 3360 108 69989 55282 95898 ... 10127 68483 95285 000 000	CW	(AB/RL/HFD)
M12	3-5	1900	12162	Sat	546 546 546 1 8101 56 8101 56 62132 61612 39045 ... 04871 04733 03165 000 000	CW	(AB)
M12	3-5	1920	11566	Sat	546 546 546 1 8101 56 8101 56 62132 61612 39045 ... 04871 04733 03165 000 000	CW	(AB)
M12	3-5	1940	10711	Sat	546 546 546 1 8101 56 8101 56 62132 61612 39045 ... 04871 04733 03165 000 000	CW	(AB)
M12	4-5	2310	15892	Sun	889 889 889 1 3968 151 3968 151 71484 26620 98422 ... 54381 67509 91014 000 000	CW	(RL/HFD)
M12	4-5	2330	14892	Sun	889 889 889 1 3968 151 3968 151 71484 26620 98422 ... 54381 67509 91014 000 000	CW	(HFD)
M12	4-5	2350	13392	Sun	889 889 889 1 3968 151 3968 151 71484 26620 98422 ... 54381 67509 91014 000 000	CW	(RL/HFD)
M12	5-5	0800	13961	Mon	925 925 925 1 4754 119 4754 119 63248 78105 71000... 08892 19804 43420 000 000	CW	(AB-J)
M12	5-5	0820	12201	Mon	925 925 925 1 4754 119 4754 119 63248 78105 71000... 08892 19804 43420 000 000	CW	(AB-J)
M12	5-5	0840	10597	Mon	925 925 925 1 4754 119 4754 119 63248 78105 71000... 08892 19804 43420 000 000	CW	(AB-J)
M12	5-5	1230	14377	Mon	317 317 317 1 7703 123 7703 123 03255 45017 45015 ... 55304 23846 54196 000 000	CW	(AB)
M12	5-5	1250	13461	Mon	317 317 317 1 7703 123 7703 123 03255 45017 45015 ... 55304 23846 54196 000 000	CW	(AB)
M12	5-5	1310	12114	Mon	317 317 317 1 7703 123 7703 123 03255 45017 45015 ... 55304 23846 54196 000 000	CW	(AB)
M12	5-5	1330	14377	Mon	317 317 317 1 7770 137 7770 137 08582 80291 79436 ... 57525 84257 88524 000 000	CW	(AB)
M12	5-5	1350	13461	Mon	317 317 317 1 7770 137 7770 137 08582 80291 79436 ... 57525 84257 88524 000 000	CW	(AB)
M12	5-5	1410	12114	Mon	317 317 317 1 7770 137 7770 137 08582 80291 79436 ... 57525 84257 88524 000 000	CW	(AB)
M12	5-5	2000	13926	Mon	573 573 573 000	CW	(AB/RL)

M12	5-5	2020	13426	Mon	573 573 573 000	CW	(AB/RL)
M12	6-5	1100	11519	Tue	289 289 289 1 1653 55 1653 55 81336 71596 12763 ... 12708 08820 80515 000 000	CW	(AB/HFD)
M12	6-5	1120	12194	Tue	289 289 289 1 1653 55 1653 55 81336 71596 12763 ... 12708 08820 80515 000 000	CW	(AB/HFD)
M12	6-5	1140	13407	Tue	289 289 289 1 1653 55 1653 55 81336 71596 12763 ... 12708 08820 80515 000 000	CW	(AB/HFD)
M12	7-5	0905	9145	Wed	687 687 687 1 9450 6 9450 6 33161 13996 65639 79761 06081 78212 000 000	CW	(EL)
M12	7-5	0915	8072	Wed	687 687 687 1 9450 6 9450 6 33161 13996 65629 79761 06081 78212 000 000	CW	(EL)
M12	7-5	1900	12162	Wed	546 546 546 1 8516 59 8516 59 04640 61477 68070 ... 70072 41018 72953 000 000	CW	(AB)
M12	7-5	1900	15936	Wed	975 975 975 000	CW	(AB)
M12	7-5	1920	11566	Wed	546 546 546 1 8516 59 8516 59 04640 61477 68070 ... 70072 41018 72953 000 000	CW	(AB)
M12	7-5	1920	14736	Wed	975 975 975 000	CW	(AB)
M12	7-5	1940	10711	Wed	546 546 546 1 8516 59 8516 59 04640 61477 68070 ... 70072 41018 72953 000 000	CW	(AB)
M12	7-5	2310	15892	Wed	889 889 889 1 404 102 404 102 30301 85831 41531 ... 35572 96752 27318 000 000	CW	(RL)
M12	7-5	2330	14892	Wed	889 889 889 1 404 102 404 102 30301 85831 41531 ... 35572 96752 27318 000 000	CW	(RL)
M12	7-5	2350	13992	Wed	889 889 889 1 404 102 404 102 30301 85831 41531 ... 35572 96752 27318 000 000	CW	(RL)
M12	8-5	1800	11435	Thu	938 938 938 1 1792 80 1792 80 63408 26059 59451 ... 84106 41045 66696 000 000	CW	(AB)
M12	8-5	1820	10598	Thu	938 938 938 1 1792 80 1792 80 63408 26059 59451 ... 84106 41045 66696 000 000	CW	(AB)
M12	8-5	1840	9327	Thu	938 938 938 1 1792 80 1792 80 63408 26059 59451 ... 84106 41045 66696 000 000	CW	(AB)
M12	8-5	2000	13926	Thu	573 573 573 000	CW	(AB/RL)
M12	8-5	2020	13426	Thu	573 573 573 000	CW	(AB/RL)
M12	9-5	0800	13961	Fri	925 925 925 1 4754 119 4754 119 63248 78105 71000 ... 08892 19804 43420 000 000	CW	(AB-KOR)
M12	9-5	0820	12201	Fri	925 925 925 1 4754 119 4754 119 63248 78105 71000 ... 08892 19804 43420 000 000	CW	(AB-KOR)
M12	9-5	0840	10597	Fri	925 925 925 1 4754 119 4754 119 63248 78105 71000 ... 08892 19804 43420 000 000	CW	(AB-KOR)
M12	9-5	1100	11519	Fri	289 289 289 1 1653 55 1653 55 81336 71596 12763 ... 12708 08820 80515 000 000	CW	(AB)
M12	9-5	1100	12194	Fri	289 289 289 1 1653 55 1653 55 81336 71596 12763 ... 12708 08820 80515 000 000	CW	(AB)
M12	9-5	1100	13407	Fri	289 289 289 1 1653 55 1653 55 81336 71596 12763 ... 12708 08820 80515 000 000	CW	(AB)
M12	9-5	1900	15936	Fri	975 975 975 000	CW	(AB/RL)
M12	9-5	1920	14736	Fri	975 975 975 000	CW	(AB/RL)
M12	10-5	1900	12162	Sat	546 546 546 1 4907 57 4907 57 32333 18955 96859 ... 67627 31142 31482 000 000	CW	(AB)
M12	10-5	1920	11566	Sat	546 546 546 1 4907 57 4907 57 32333 18955 96859 ... 67627 31142 31482 000 000	CW	(AB)
M12	10-5	1940	10711	Sat	546 546 546 1 4907 57 4907 57 32333 18955 96859 ... 67627 31142 31482 000 000	CW	(AB)
M12	12-5	0800	13961	Mon	925 925 925 1 3060 153 3060 153 94818 32326 73450 ... 56279 95347 88444 000 000	CW	(AB-RUS)
M12	12-5	0820	12201	Mon	925 925 925 1 3060 153 3060 153 94818 32326 73450 ... 56279 95347 88444 000 000	CW	(AB-RUS)
M12	12-5	0840	10597	Mon	925 925 925 1 3060 153 3060 153 94818 32326 73450 ... 56279 95347 88444 000 000	CW	(AB-RUS)
M12	12-5	1230	13386	Mon	725 725 725 1 832 133 8832 133 21550 12628 75788 ... 01343 16967 000 000	CW	(AB)
M12	12-5	1250	12189	Mon	725 725 725 1 832 133 8832 133 21550 12628 75788 ... 01343 16967 000 000	CW	(AB)
M12	12-5	1310	11491	Mon	725 725 725 1 832 133 8832 133 21550 12628 75788 ... 01343 16967 000 000	CW	(AB)
M12	12-5	1330	13386	Mon	725 725 725 1 3761 143 3761 143 89031 54691 16354 ... 77422 07403 80552 000 000	CW	(AB)
M12	12-5	1350	12189	Mon	725 725 725 1 3761 143 3761 143 89031 54691 16354 ... 77422 07403 80552 000 000	CW	(AB)
M12	12-5	1410	11491	Mon	725 725 725 1 3761 143 3761 143 89031 54691 16354 ... 77422 07403 80552 000 000	CW	(AB)
M12	12-5	2000	13926	Mon	573 573 573 000	CW	(AB)
M12	12-5	2020	13426	Mon	573 573 573 000	CW	(AB)
M12	13-5	1100	11519	Tue	289 289 289 1 9089 63 9089 63 07523 96490 65630 ... 36185 64136 75039 000 000	CW	(AB)

M12	13-5	1120	12194	Tue	289 289 289 1 9089 63 9089 63 07523 96490 65630 ... 36185 64136 75039 000 000	CW	(AB)
M12	13-5	1140	13407	Tue	289 289 289 1 9089 63 9089 63 07523 96490 65630 ... 36185 64136 75039 000 000	CW	(AB)
M12	14-5	1900	12162	Wed	546 546 546 1 8503 56 8503 56 17639 30016 53774 ... 72403 73644 31793 000 000	CW	(AB)
M12	14-5	1900	15936	Wed	975 975 975 000	CW	(AB/RL)
M12	14-5	1920	11566	Wed	546 546 546 1 8503 56 8503 56 17639 30016 53774 ... 72403 73644 31793 000 000	CW	(AB)
M12	14-5	1920	14736	Wed	975 975 975 000	CW	(AB/RL)
M12	14-5	1940	10711	Wed	546 546 546 1 8503 56 8503 56 17639 30016 53774 ... 72403 73644 31793 000 000	CW	(AB)
M12	14-5	2310	15892	Wed	889 889 889 1 3761 93 3761 93 23641 30166 37352 ... 83447 49499 87057 000 000	CW	(RL)
M12	14-5	2330	14892	Wed	889 889 889 1 3761 93 3761 93 23641 30166 37352 ... 83447 49499 87057 000 000	CW	(RL)
M12	14-5	2350	13992	Wed	889 889 889 1 3761 93 3761 93 23641 30166 37352 ... 83447 49499 87057 000 000	CW	(RL)
M12	15-5	1800	11435	Thu	938 938 938 1 7161 81 7161 81 53364 88046 03083 ... 62865 60547 85607 000 000	CW	(AB)
M12	15-5	1820	10598	Thu	938 938 938 1 7161 81 7161 81 53364 88046 03083 ... 62865 60547 85607 000 000	CW	(AB)
M12	15-5	1840	9327	Thu	938 938 938 1 7161 81 7161 81 53364 88046 03083 ... 62865 60547 85607 000 000	CW	(AB)
M12	15-5	2000	13926	Thu	573 573 573 000	CW	(AB/RL)
M12	15-5	2020	13426	Thu	573 573 573 000	CW	(AB/RL)
M12	16-5	0800	13961	Fri	925 925 925 1 3060 153 3060 153 94818 32326 73450 ... 56279 95347 88444 000 000	CW	(AB-RUS)
M12	16-5	0820	12201	Fri	925 925 925 1 3060 153 3060 153 94818 32326 73450 ... 56279 95347 88444 000 000	CW	(AB-RUS)
M12	16-5	0840	10597	Fri	925 925 925 1 3060 153 3060 153 94818 32326 73450 ... 56279 95347 88444 000 000	CW	(AB-RUS)
M12	16-5	1900	15936	Fri	975 975 975 000	CW	(AB)
M12	16-5	1920	14736	Fri	975 975 975 000	CW	(AB)
M12	17-5	1900	12162	Sat	546 546 546 1 1524 55 1524 55 73078 96292 04870 ... 07238 28947 51957 000 000	CW	(AB)
M12	17-5	1920	11566	Sat	546 546 546 1 1524 55 1524 55 73078 96292 04870 ... 07238 28947 51957 000 000	CW	(AB)
M12	17-5	1940	10711	Sat	546 546 546 1 1524 55 1524 55 73078 96292 04870 ... 07238 28947 51957 000 000	CW	(AB)
M12	19-5	0800	13961	Mon	925 925 925 1 4501 94 4501 94 77337 60069 48202 ... 79564 81920 08273 000 000	CW	(AB-RUS)
M12	19-5	0820	12201	Mon	925 925 925 1 4501 94 4501 94 77337 60069 48202 ... 79564 81920 08273 000 000	CW	(AB-RUS)
M12	19-5	0840	10597	Mon	925 925 925 1 4501 94 4501 94 77337 60069 48202 ... 79564 81920 08273 000 000	CW	(AB-RUS)
M12	19-5	1230	13386	Mon	725 725 725 1 8158 125 8158 125 63799 92082 60404 ... 97060 67501 00030 000 000	CW	(AB)
M12	19-5	1250	12189	Mon	725 725 725 1 8158 125 8158 125 63799 92082 60404 ... 97060 67501 00030 000 000	CW	(AB)
M12	19-5	1310	11491	Mon	725 725 725 1 8158 125 8158 125 63799 92082 60404 ... 97060 67501 00030 000 000	CW	(AB)
M12	19-5	1330	13386	Mon	725 725 725 1 7068 135 7068 135 08575 02864 10720 ... 83310 23277 62622 000 000	CW	(AB)
M12	19-5	1350	12189	Mon	725 725 725 1 7068 135 7068 135 08575 02864 10720 ... 83310 23277 62622 000 000	CW	(AB)
M12	19-5	1410	11491	Mon	725 725 725 1 7068 135 7068 135 08575 02864 10720 ... 83310 23277 62622 000 000	CW	(AB)
M12	19-5	2000	13926	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	19-5	2020	13426	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	19-5	2040	11526	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	20-5	1100	11519	Tue	289 289 289 1 8814 55 8814 55 16663 79442 31979 ... 71684 90957 83219 000 000	CW	(AB)
M12	20-5	1120	12194	Tue	289 289 289 1 8814 55 8814 55 16663 79442 31979 ... 71684 90957 83219 000 000	CW	(AB)
M12	20-5	1140	13407	Tue	289 289 289 1 8814 55 8814 55 16663 79442 31979 ... 71684 90957 83219 000 000	CW	(AB)
M12	21-5	1900	12162	Wed	546 546 546 1 8416 59 8416 59 99963 79345 42869 ... 78362 66455 04980 000 000	CW	(AB)
M12	21-5	1900	15936	Wed	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(AB)
M12	21-5	1920	11566	Wed	546 546 546 1 8416 59 8416 59 99963 79345 42869 ... 78362 66455 04980 000 000	CW	(AB)
M12	21-5	1920	14736	Wed	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(AB)

M12	21-5	1940	10711	Wed	546 546 546 1 8416 59 8416 59 99963 79345 42869 ... 78362 66455 04980 000 000	CW	(AB)
M12	21-5	1940	13536	Wed	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(AB)
M12	22-5	0300	16272	Thu	299 299 299 1 ...	CW	(HFD-J)
M12	22-5	0320	14972	Thu	299 299 299 1 ...	CW	(HFD-J)
M12	22-5	0340	13972	Thu	299 299 299 1 ...	CW	(HFD-J)
M12	22-5	1800	11435	Thu	938 938 938 1 4285 76 4285 76 49256 04855 98979 ... 98852 92770 53311 000 000	CW	(AB)
M12	22-5	1820	10598	Thu	938 938 938 1 4285 76 4285 76 49256 04855 98979 ... 98852 92770 53311 000 000	CW	(AB)
M12	22-5	1840	9327	Thu	938 938 938 1 4285 76 4285 76 49256 04855 98979 ... 98852 92770 53311 000 000	CW	(AB)
M12	22-5	2000	13926	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	22-5	2020	13426	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	22-5	2040	11526	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	23-5	0800	13961	Fri	925 925 925 1 4501 94 4501 94 77337 60069 48202 ... 79564 81920 08273 000 000	CW	(AB-RUS)
M12	23-5	0820	12201	Fri	925 925 925 1 4501 94 4501 94 77337 60069 48202 ... 79564 81920 08273 000 000	CW	(AB-RUS)
M12	23-5	0840	10597	Fri	925 925 925 1 4501 94 4501 94 77337 60069 48202 ... 79564 81920 08273 000 000	CW	(AB-RUS)
M12	23-5	1900	15936	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(AB)
M12	23-5	1900	15936	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	23-5	1900	15936	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	23-5	1920	14736	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(AB)
M12	23-5	1920	14736	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	23-5	1920	14736	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	23-5	1940	13536	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(AB)
M12	23-5	1940	13536	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	23-5	1940	13536	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	23-5	2100	17458	Fri	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	23-5	2120	16234	Fri	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	23-5	2140	15814	Fri	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	24-5	1900	12162	Sat	546 546 546 1 5006 59 5096 59 80837 55765 90667 ... 78257 41026 12614 000 000	CW	(AB/PY)
M12	24-5	1920	11566	Sat	546 546 546 1 5006 59 5096 59 80837 55765 90667 ... 78257 41026 12614 000 000	CW	(AB)
M12	24-5	1940	10711	Sat	546 546 546 1 5006 59 5096 59 80837 55765 90667 ... 78257 41026 12614 000 000	CW	(AB/PY)
M12	24-5	2100	17458	Sat	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	24-5	2120	16234	Sat	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	24-5	2140	15814	Sat	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	25-5	2310	15892	Sun	889 889 889 365 64 365 64 98174 44798 78004 ...3 29272 15619 46296 000 000	CW	(PY)
M12	25-5	2330	14892	Sun	889 889 889 365 64 365 64 98174 44798 78004 ...3 29272 15619 46296 000 000	CW	(PY)
M12	26-5	0800	13961	Mon	925 925 925 1 8980 161 8980 161 76957 84356 40297 ... 20089 04060 93905 000 000	CW	(AB-RUS/PY)
M12	26-5	0820	12201	Mon	925 925 925 1 8980 161 8980 161 76957 84356 40297 ... 20089 04060 93905 000 000	CW	(AB-RUS/PY)
M12	26-5	0840	10597	Mon	925 925 925 1 8980 161 8980 161 76957 84356 40297 ... 20089 04060 93905 000 000	CW	(AB-RUS/PY)
M12	26-5	1230	13386	Mon	725 725 725 1 3057 143 3057 143 80088 41817 32198 ... 28787 24210 14693 000 000	CW	(PY/HFD)
M12	26-5	1250	12189	Mon	725 725 725 1 3057 143 3057 143 80088 41817 32198 ... 28787 24210 14693 000 000	CW	(HFD)
M12	26-5	1310	11491	Mon	725 725 725 1 3057 143 3057 143 80088 41817 32198 ... 28787 24210 14693 000 000	CW	(HFD)
M12	26-5	2000	13926	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	26-5	2000	13926	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(PY)

M12	26-5	2000	13926	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(RL/PY)
M12	26-5	2020	13426	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	26-5	2020	13426	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(PY)
M12	26-5	2020	13426	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(RL/PY)
M12	26-5	2040	11526	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	26-5	2040	11526	Mon	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(RL)
M12	27-5	0300	16272	Tue	299 299 299 1 6582 168 6582 168 24809 79564 17637 ... 62377 94676 90773 000 000	CW	(PY)
M12	27-5	1900	11519	Tue	289 289 289 1 4824 58 4824 58 93908 31199 53__8 ... 45491 90982 84_____945_ 000 000	CW	(PY)
M12	28-5	1900	12162	Wed	546 546 546 1 3117 59 3117 59 90369 28636 53973 ... 22066 72444 95825 000 000	CW	(PY)
M12	28-5	1900	15936	Wed	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	28-5	1900	15936	Wed	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(RL)
M12	28-5	1920	11566	Wed	546 546 546 1 3117 59 3117 59 90369 28636 53973 ... 22066 72444 95825 000 000	CW	(PY)
M12	28-5	1920	14736	Wed	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(RL)
M12	28-5	1940	13536	Wed	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(RL)
M12	28-5	2310	15892	Wed	889 889 889 1 811 249 811 249 93940 27011 21656 ... 70669 15241 99896 000 000	CW	(RL/PY)
M12	28-5	2330	14892	Wed	889 889 889 1 811 249 811 249 93940 27011 21656 ... 70669 15241 99896 000 000	CW	(RL/PY)
M12	28-5	2350	13992	Wed	889 889 889 1 811 249 811 249 93940 27011 21656 ... 70669 15241 99896 000 000	CW	(RL)
M12	29-5	0300	16272	Thu	299 299 299 1 6582 168 6582 168 24809 79564 17637 ... 62377 94676 90773 000 000	CW	(PY)
M12	29-5	1800	11435	Thu	938 988 938 1 3264 74 3264 74 20503 71383 12197 ... 48623 88992 96754 000 000	CW	(AB/PY)
M12	29-5	1820	10598	Thu	938 988 938 1 3264 74 3264 74 20503 71383 12197 ... 48623 88992 96754 000 000	CW	(AB/PY)
M12	29-5	1840	9327	Thu	938 988 938 1 3264 74 3264 74 20503 71383 12197 ... 48623 88992 96754 000 000	CW	(AB)
M12	29-5	2000	13926	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB/PY)
M12	29-5	2000	13926	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(PY)
M12	29-5	2020	13426	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB/PY)
M12	29-5	2020	13426	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(PY)
M12	29-5	2040	11526	Thu	573 573 573 1 3295 207 3295 207 05901 04394 80682 ... 89227 66955 93970 000 000	CW	(AB)
M12	30-5	1920	14736	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	30-5	1940	13536	Fri	975 975 975 1 778 91 778 91 47388 99296 61135 ... 46035 38993 54233 000 000	CW	(PY)
M12	30-5	2100	17458	Fri	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	30-5	2120	16234	Fri	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	30-5	2140	15814	Fri	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	31-5	1900	12162	Sat	546 546 546 1 1004 57 1004 57 43047 86450 73049 ... 95425 66461 96389 000 000	CW	(PY)
M12	31-5	1940	10711	Sat	546 546 546 1 1004 57 1004 57 43047 86450 73049 ... 95425 66461 96389 000 000	CW	(PY)
M12	31-5	2100	17458	Sat	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	31-5	2120	16234	Sat	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M12	31-5	2140	15814	Sat	428 428 428 1 3822 84 3822 84 22585 56796 67017 ... 45092 64363 08672 000 000	CW	(PY)
M14	5-5	0500	12211	Mon	480 (R31s) 925 (R16s) 480 inverted morse. Restart at 0503z. 952 403 403 57 57 = = 53818 29463 36756 ... 31381 5	CW	(AB-J)
M14	5-5	0520	10243	Mon	952 403 403 57 57 = = 53818 29463 36756 ... 31381 54948 83243 = = 403 403 57 57 00000	CW	(AB-J/HFD-J)

M14	6-5	0500	12211	Tue	952 403 403 57 57 = = 53818 29463 36756 ... 31381 54948 83243 = = 403 403 57 57 00000	CW	(AB-J/HFD-J)
M14	6-5	0520	10243	Tue	952 403 403 57 57 = = 53818 29463 36756 ... 31381 54948 83243 = = 403 403 57 57 00000	CW	(AB-J)
M14	7-5	0502	12211	Wed	952 952 952 00000 (R2). Late start. Restart at 0505z: 925 925 925 00000 (R2)	CW	(AB-J)
M14	7-5	0520	10243	Wed	952 952 952 00000 (R4)	CW	(AB-J)
M14	19-5	0500	12211	Mon	952 168 168 51 51 = = 19931 58871 13808 ... 81150 48001 12510 = = 168 168 51 51 00000	CW	(AB-J)
M14	19-5	0522	10243	Mon	952 168 168 51 51 = = 19931 58871 13808 ... 81150 48001 12510 = = 168 168 51 51 00000	CW	(AB-J)
M14	20-5	0500	12211	Tue	952 168 168 51 51 = = 19931 58871 13808 ... 81150 48001 12510 = = 168 168 51 51 00000	CW	(AB-J)
M14	20-5	0522	10243	Tue	952 168 168 51 51 = = 19931 58871 13808 ... 81150 48001 12510 = = 168 168 51 51 00000	CW	(AB-J)
M14	21-5	0500	12211	Wed	952 307 307 28 28 = = 84000 60161 77110 ... 34100 82330 22802 = = 307 307 28 28 952 814 814 27 27 = = 00593 148	CW	(AB-J)
M14	21-5	0520	10243	Wed	952 307 307 28 28 = = 84000 60161 77110 ... 34100 82330 22802 = = 307 307 28 28 952 814 814 27 27 = = 00593 148	CW	(AB-J)
M14	23-5	0500	12211	Fri	952 952 952 00000	CW	(AB)
M14	23-5	0520	10243	Fri	952 952 952 00000	CW	(AB)
M14	25-5	0500	12211	Sun	952 307 307 28 28 = = 84000 60161 77110 ... 34100 82330 22802 = = 307 307 28 28 952 814 814 27 27 = = 00593 148	CW	(AB-J)
M14	25-5	0520	10243	Sun	952 307 307 28 28 = = 84000 60161 77110 ... 34100 82330 22802 = = 307 307 28 28 952 814 814 27 27 = = 00593 148	CW	(AB-J)
M14	26-5	0500	12211	Mon	952 760 760 54 54 = = 73473 64063 31072 ... 98827 84214 28288 = = 760 760 54 54 00000	CW	(AB-J/PY)
M14	26-5	0520	10243	Mon	952 760 760 54 54 = = 73473 64063 31072 ... 98827 84214 28288 = = 760 760 54 54 00000	CW	(AB-J)
M14	28-5	0500	12211	Wed	952 438 438 25 25 = = 58325 34199 90497 ... 94977 54676 02062 = = 438 438 25 25 952 176 176 32 32 = = 48234 417	CW	(PY)
M14	29-5	0500	12211	Thu	952 438 438 25 25 = = 58325 34199 90497 ... 94977 54676 02062 = = 438 438 25 25 952 176 176 32 32 = = 48234 417	CW	(PY)
M21	15-5	2016	5323	Thu	=992317??8?????	CW	(KX0DW-J)
M23	1-5	0600	10222	Thu	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc. (ended at 0620z)	CW	(AB)
M23	1-5	0659	9427	Thu	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	1-5	0759	10916	Thu	50505 55550 05500 05500 55050 55550 05550 etc. followed by French text	CW	(AB)
M23	1-5	1600	7668	Thu	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc.	CW	(AB)
M23	1-5	1800	6937	Thu	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc	CW	(AB)
M23	2-5	0600	10222	Fri	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)

M23	2-5	0659	9427	Fri	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	2-5	0759	10916	Fri	50505 55550 05500 05500 55050 55550 05550 etc. followed by French text	CW	(AB)
M23	2-5	1600	7668	Fri	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc.	CW	(AB)
M23	2-5	1759	6937	Fri	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc	CW	(AB)
M23	3-5	0600	10222	Sat	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	3-5	0659	9427	Sat	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	3-5	0759	10916	Sat	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	3-5	1600	7668	Sat	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc.	CW	(AB/HFD)
M23	3-5	1800	6937	Sat	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc	CW	(AB)
M23	4-5	0600	10222	Sun	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	4-5	0659	9427	Sun	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	4-5	0800	10916	Sun	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	4-5	1600	7668	Sun	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc.	CW	(AB)
M23	4-5	1800	6937	Sun	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc	CW	(AB)
M23	5-5	0600	10222	Mon	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	5-5	0700	9427	Mon	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	5-5	0800	10916	Mon	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	5-5	1600	7668	Mon	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc.	CW	(AB)
M23	5-5	1800	6937	Mon	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc	CW	(AB)
M23	6-5	0600	10222	Tue	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	6-5	0700	9427	Tue	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	6-5	0800	10916	Tue	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	6-5	1600	7668	Tue	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc.	CW	(AB)
M23	6-5	1800	6937	Tue	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc	CW	(AB)

M23	7-5	0559	10222	Wed	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	7-5	0700	9427	Wed	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	7-5	0800	10916	Wed	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	7-5	1600	7668	Wed	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc.	CW	(AB)
M23	7-5	1800	6937	Wed	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc	CW	(AB)
M23	8-5	0600	10222	Thu	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc. (ended at 0620z)	CW	(AB)
M23	8-5	0659	9427	Thu	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	8-5	0759	10916	Thu	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	8-5	1600	7668	Thu	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc.	CW	(AB)
M23	8-5	1800	6937	Thu	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc	CW	(AB)
M23	9-5	0600	10222	Fri	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	9-5	0659	9427	Fri	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	9-5	0759	10916	Fri	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	9-5	1600	7668	Fri	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc.	CW	(AB)
M23	9-5	1759	6937	Fri	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc	CW	(AB)
M23	10-5	0600	10222	Sat	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	10-5	0659	9427	Sat	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	10-5	0759	10916	Sat	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	10-5	1600	7668	Sat	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc.	CW	(AB)
M23	10-5	1800	6937	Sat	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc	CW	(AB)
M23	11-5	0600	10222	Sun	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	11-5	0659	9427	Sun	Alice was beginning to get very tired of sitting by her sister on the bank etc.(sent once) 15081769 (repeated)	CW	(AB)
M23	11-5	0759	10916	Sun	50505 55550 05500 05500 55050 55550 05550 etc. followed by part of Le lièvre et la tortue	CW	(AB)
M23	11-5	1600	7668	Sun	55555 05050 55005 05555 00000 etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMI etc.	CW	(AB)

M23	11-5	1800	6937	Sun	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc	CW	(AB)
M23	12-5	0600	10222	Mon	GOOD MORNING FRIENDS 55555 05050 55005 05555 00000 etc.	CW	(AB)
M23	12-5	1800	6937	Mon	ALICE WAS BEGINNING TO GET VERY TIRED OF SITTING BY HER SISTER etc.	CW	(AB)
M23	13-5	1600	7668	Tue	55555 05050 55005 05555 00000 etc. followed by part of Le livre et la tortue	CW	(AB)
M23	13-5	1800	6937	Tue	55555 00000 (R) etc. PORTE POINT SORTE ARBRE SUITE GARDE CIEN SIGNE LIGNE MIEN PARMi etc	CW	(AB)
M23	17-5	1800	6961	Sat	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	17-5	1900	6961	Sat	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	0900	8030	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1000	8030	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1100	10300	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1200	10300	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1500	8030	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1600	8030	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1700	8030	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1800	6961	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1900	6961	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	1900	6961	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	2000	5921	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	2000	5921	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	2100	5921	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	2200	5921	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	18-5	2300	5921	Sun	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0000	5921	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0100	5921	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0200	5921	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0300	6961	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0400	6961	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0500	6961	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0600	6961	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0700	8030	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0800	8030	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	0900	8030	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1000	8030	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1100	10300	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1200	10300	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1300	10300	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1400	10300	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1500	8030	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1600	8030	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	1700	8030	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)

M23	19-5	1800	6961	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	2100	5921	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	2200	5921	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	19-5	2300	5921	Mon	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0000	5921	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0100	5921	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0200	5921	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0300	6961	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0400	6961	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0500	6961	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0600	6961	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0700	8030	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0800	8030	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	0900	8030	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	1000	8030	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	1100	10300	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	1200	10300	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	20-5	1325	6961	Tue	50505 55550 05550 05500 55005 ... (ended at 1415z)	CW	(AB)
M23	20-5	1400	6961	Tue	50505 55550 05550 05500 55005 ...	CW	(AB)
M23	21-5	0700	6961	Wed	LO48636017 LA1511114 (repeated)	CW	(AB)
M23	21-5	0800	6961	Wed	LO48636017 LA1511114 (repeated)	CW	(AB)
M23	21-5	0900	6961	Wed	LO48636017 LA1511114 (repeated)	CW	(AB)
M23	21-5	1000	6961	Wed	00550 00000 (R)	CW	(AB)
M23	21-5	1100	6961	Wed	55005 00000 (R)	CW	(AB)
M23	21-5	1200	6961	Wed	55005 55555 (R)	CW	(AB)
M23	21-5	1300	6961	Wed	50505 55555 5®	CW	(AB)
M23	21-5	1400	6961	Wed	50505 00000 50505 55555 50505 55555 ...	CW	(AB)
M23	21-5	1445	6961	Wed	00550 55555 (R1m39s)	CW	(AB)
M23	21-5	1633	6961	Wed	05500 05	CW	(BR)
M23	21-5	1635	6961	Wed	05500 0	CW	(BR)
M23	21-5	1637	6961	Wed	05500 05500 U C 05500 05500 V 05500 05500 U	CW	(BR)
M23	21-5	1638	6961	Wed	U 05500 05500	CW	(BR)
M23	21-5	1639	6961	Wed	U 05500 05500	CW	(BR)
M23	21-5	1640	6961	Wed	U 05500 05500	CW	(BR)
M23	22-5	0100	6961	Thu	Hourly beep	CW	(AB)
M23	22-5	0200	6961	Thu	Hourly beep	CW	(AB)
M23	22-5	0200	7442	Thu	Hourly beep	CW	(AB)
M23	22-5	0300	6961	Thu	Hourly beep	CW	(AB)
M23	22-5	0300	7442	Thu	Hourly beep	CW	(AB)
M23	22-5	0400	6961	Thu	Hourly beep	CW	(AB)
M23	22-5	0400	7442	Thu	LO48636017 LA1511114 (R)	CW	(AB)
M23	22-5	0500	6961	Thu	Hourly beep	CW	(AB)

M23	22-5	0500	7442	Thu	LO48636017 LA1511114 (R)	CW	(AB)
M23	22-5	0600	6961	Thu	Hourly beep	CW	(AB)
M23	22-5	0600	7442	Thu	Hourly beep	CW	(AB)
M23	22-5	0700	6961	Thu	Hourly beep	CW	(AB)
M23	22-5	0700	7442	Thu	LO48636017 LA1511114 (R)	CW	(BR/AB)
M23	22-5	0800	6961	Thu	Hourly beep	CW	(AB)
M23	22-5	0800	7442	Thu	Hourly beep	CW	(AB)
M23	22-5	0900	7442	Thu	LO48636017 LA1511114 (R)	CW	(BR/AB)
M23	22-5	1300	7442	Thu	Hourly beep	CW	(AB)
M23	22-5	1400	7442	Thu	Hourly beep	CW	(AB)
M23	22-5	1500	7442	Thu	Hourly beep	CW	(AB)
M23	22-5	1600	7442	Thu	LO48636017 LA1511114 (R)	CW	(AB)
M23	22-5	1800	7442	Thu	LO48636017 LA1511114 (R)	CW	(AB)
M23	22-5	1900	7442	Thu	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	0400	7442	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	0500	7442	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	0700	7442	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	0900	7442	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	1000	7442	Fri	Hourly beep	CW	(AB)
M23	23-5	1400	7442	Fri	Hourly beep	CW	(AB)
M23	23-5	1600	7442	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	1800	7442	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	1900	7442	Fri	LO48636017 LA1511114 (R)	CW	(AB)
M23	23-5	2000	7442	Fri	Hourly beep	CW	(AB)
M23	24-5	0400	7442	Sat	LO48636017 LA1511114 (R)	CW	(AB)
M23	24-5	0500	7442	Sat	LO48636017 LA1511114 (R)	CW	(AB)
M23	24-5	0700	7442	Sat	LO48636017 LA1511114 (R)	CW	(AB)
M23	24-5	0800	7442	Sat	LO48636017 LA1511114 (R)	CW	(AB)
M23	24-5	1900	7442	Sat	LO48636017 LA1511114 (R)	CW	(AB)
M23	25-5	0400	7442	Sun	LO48636017 LA1511114 (R)	CW	(AB)
M23	25-5	0500	7442	Sun	LO48636017 LA1511114 (R)	CW	(AB)
M23	25-5	0700	7442	Sun	LO48636017 LA1511114 (R)	CW	(AB)
M23	25-5	0900	7442	Sun	LO48636017 LA1511114 (R)	CW	(AB)
M23	25-5	1500	6961	Sun	55005 50005 55005 50005 55005 50005 (R)	CW	(AB)
M23	25-5	1700	6961	Sun	50505 55555 50505 55555 50505 55555 (R)	CW	(AB)
M23	25-5	1800	6961	Sun	00550 50005 00550 50005 00550 50005 (R)	CW	(AB)
M23	25-5	1900	7442	Sun	LO48636017 LA1511114 (R)	CW	(AB)
M23	26-5	0400	7442	Mon	LO48636017 LA1511114 (R)	CW	(AB)
M23	26-5	0500	7442	Mon	LO48636017 LA1511114 (R)	CW	(AB)
M23	26-5	0700	7442	Mon	LO48636017 LA1511114 (R)	CW	(AB)
M23	27-5	0700	7442	Tue	LO48636017 LA1511114 (R)	CW	(AB)
M23	27-5	0900	7442	Tue	LO48636017 LA1511114 (R)	CW	(AB)

M23	27-5	1500	6961	Tue	55005 50005 55005 50005 55005 50005 (R)	CW	(AB)
M23	27-5	1700	6961	Tue	50505 55555 50505 55555 50505 55555 (R)	CW	(AB)
M42	6-5	1647	18435	Tue	Russian diplo	MFSK-66	(T101)
M42	7-5	0840	15693	Wed	Russian diplo	MFSK-66	(AB)
M42	8-5	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL (opchat, freq change to 20115 kHz at 1307z)	FSK-CW	(AB)
M42	8-5	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Msg header: 11100 70103 25413 08063 04003. Switched to 20700 k	FSK-CW + FSK 50/500	(AB-USA)
M42	8-5	1300	20700	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Msg header: 11100 70103 25413 08063 04003. Switched to 20823 k	FSK-CW + FSK 50/500	(AB-USA)
M42	8-5	1307	20115	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL. Header: 11100 70103 32147 08063 04009	FSK-CW + FSK 50/500	(AB)
M42	8-5	1314	20823	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Msg header: 11100 70103 25413 08063 04003. Switched to 19171 k	FSK-CW + FSK 50/500	(AB-USA)
M42	8-5	1319	19171	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Msg header: 11100 70103 25413 08063 04003	FSK-CW + FSK 50/500	(AB-USA)
M42	12-5	0831	17466	Mon	Russian diplo	Serdolik v2	(RO)
M42	12-5	0940	19273	Mon	Russian diplo	Serdolik v2	(RO)
M42	15-5	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana.	FSK 75/500	(AB)
M42	16-5	1254	14826	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	16-5	1256	14828	Fri	Russian diplo	Serdolik v2	(AB)
M42	20-5	0821	15945	Tue	Russian diplo	MFSK-66	(RO)
M42	20-5	0847	16167	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	20-5	0848	16167	Tue	Russian diplo	Serdolik v2	(RO)
M42	20-5	0907	16167	Tue	Russian diplo	Serdolik v2	(AB/RO)
M42	22-5	0802	16062	Thu	Russian diplo. Idling	Serdolik v2	(AB)
M42	22-5	0803	14457	Thu	Russian diplo	MFSK-66	(RO)
M42	22-5	0808	16062	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	22-5	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Switched to 20115 kHz at 1303z	FSK 75/500	(AB)
M42	22-5	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 83592 22069 04003	FSK 75/500	(AB-USA)
M42	22-5	1303	20115	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 12358 22069 04009	FSK 75/500	(AB)
M42	23-5	0628	11156	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	23-5	0630	17534	Fri	Russian diplo. Selcal	Serdolik v2	(RO)
M42	23-5	0632	11156	Fri	Russian diplo	Serdolik v2	(AB/RO)
M42	23-5	0632	11158	Fri	Russian diplo	Serdolik v2	(AB/RO)
M42	29-5	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Sloppy hand keyed CW. Callup and operator chat. Off with singl	FSK CW	(TJ)
M42	29-5	1319	14746	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. UAL UAL UAL QSY 19826 UAL SK SK. Nothing heard on 19826 kHz	FSK CW	(TJ)

M42b	1-5	1233	16024	Thu	KUFJ RTHZLQPCAUJ JTHZLQMO OVJ O OOOOOOQO OVJ O OOOOOOQO OVJ O OOOOOOOOOO	FSK 50/500	(AB)
M42b	5-5	0554	6993	Mon	HXMT-SFDZ link. Header: 759 100 5 0535 4920", using =50= and =100= separators, op-chat CFM NIL QRU? K	FSK 50/500	(TJ)
M42b	5-5	0611	11470	Mon	RGY2 link with RTK2	FSK 50/500	(TJ)
M42b	5-5	0705	6771	Mon	RYRYRYRYRY opchat QRV? K. New F1B call up followed by opchat CFM NIL QRU? K	FSK 50/500 + CW	(TJ)
M42b	5-5	0730	10500	Mon	RAZ2 link with RWBH	FSK 50/500	(TJ)
M42b	5-5	0900	17475	Mon	RQF Cyrillic msg to RGY2. After msg link closure with "BK121" command	FSK 50/500	(TJ)
M42b	5-5	0922	12213	Mon	BZLQPCAUJ RTHZLQPCAUJ RYPJCKZSGMOU OOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO (repeated)	FSK 50/500	(AB/TJ)
M42b	5-5	1205	6995	Mon	Reversals till 1214z. 121753 VVV RUH RUH RUH DE RVQ RVQ HRK? K. ZNN GB 73 SK	FSK 50/500	(AB/TJ)
M42b	15-5	0651	11065	Thu	350741 350741 RV34 RV34 RV34 DE RWB3 RWB3 OK ZOR K 350741	FSK 50/500	(AB)
M42b	15-5	0840	11065	Thu	350741 RV34 RV34 RV34 DE RWB3 RWB3 OK NIL GB 73 SK 350741	FSK 50/500	(AB)
M42b	21-5	0722	13448	Wed	BZLQPCAUJ RTHZLQPCAUJ RYPJCKZNS GMOUOOOOOOOOOOOOOOOOOOOOOOOO... (repeated)	FSK 50/500	(AB)
M42b	22-5	1239	17120	Thu	i.p. BK QRV K K R 467 1242 K NIL SK	CW	(AB)
M89	1-5	0002	8060	Thu	/// 1442/EX 0803 = 1EW9/2SN4 AR QSY 35 QSY 35	CW	(JPL-RUS)
M89	1-5	0019	8375	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-RUS)
M89	1-5	0019	12124	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-RUS)
M89	1-5	0032	8080	Thu	/// 1445/EX 0806 = 3YQ5/JXT0 AR QSY 36 QSY 36	CW	(JPL-RUS)
M89	1-5	1120	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	1-5	1120	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	3-5	1610	4357	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M89	3-5	1610	5742	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M89	8-5	1120	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	8-5	1120	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	8-5	1145	8178	Thu	i.p. /// NR 7205/EX 1945 RMKS 9129 TO 5278 BT K4/LPGG AR	CW	(JPL-THA)
M89	13-5	1745	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	13-5	1745	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	13-5	1750	4858	Tue	i.p. NR 161/EX 1914 RMKS 9975 TO 9971 = X8N/P4 AR K ///NR 034/EX 1630 RMKS 6692 TO 6696 = XW/C. AR =	CW	(JPL-RUS)
M89	13-5	1758	4357	Tue	3JWV (x3) DE QSVP (x2)	CW	(JPL-RUS)
M89	13-5	1758	5742	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-RUS)
M89	13-5	1803	4122	Tue	V C5ER (x3) DE 9UTL (x2)	CW	(JPL-RUS)
M89	14-5	1720	4860	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	14-5	1720	6840	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	15-5	1120	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	15-5	1120	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL-RUS)
M89	15-5	1155	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-HK)
M89	15-5	1155	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-HK)
M89	15-5	1159	6817	Thu	V C5ER (x3) DE 9UTL (x2) M89 (Remote tuner Japan) JPL THU	CW	(JPL-J)

M89	15-5	1203	4357	Thu	V 3JWV (x3) DE QSVP (x2) NR 1929/.Z 2003 RMKS 8555 TO 8019 = 1001 7775 NS 773 7770 7744 7771 5940 2112 3777 773	CW	(JPL-HK)
M89	15-5	1209	4832	Thu	i.p. NR à CK.9 85 0515 0900 RMKS 8221 TO 60 =	CW	(JPL-J)
M89	17-5	1550	4357	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M89	17-5	1550	5742	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M89	17-5	1553	4122	Sat	V C5ER (x3) DE 9UTL (x2)	CW	(JPL-J)
M89	17-5	1645	4860	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	17-5	1645	6840	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	17-5	1720	4860	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL-HK)
M89	17-5	1720	6840	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL-HK)
M89	18-5	1120	5817	Sun	i.p. NR 6603 CK 51 55 0519 0000 RMKS 4314 TO 4383 =	CW	(JPL-THA)
M89	18-5	1220	4860	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	18-5	1220	6840	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	18-5	1620	4860	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	18-5	1620	6840	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	18-5	1920	4860	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	18-5	1920	6840	Sun	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	19-5	1620	4860	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	19-5	1620	6840	Mon	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	19-5	1630	4720	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL-THA)
M89	19-5	2319	12124	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M89	19-5	2330	7620	Mon	VVV WNF (x3) DE FXM (X2)	CW	(JPL-THA)
M89	19-5	2347	8375	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M89	20-5	1155	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	20-5	1155	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	20-5	1355	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	20-5	1355	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-THA)
M89	20-5	1405	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	1405	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	1430	4720	Tue	VVV WNF (x3) DE FXM (X2)	CW	(JPL-THA)
M89	20-5	1430	5150	Tue	VVV WNF (x3) DE FXM (X2)	CW	(JPL-THA)
M89	20-5	1530	5150	Tue	VVV WNF (x3) DE FXM (X2)	CW	(JPL-THA)
M89	20-5	1555	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	1555	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	1820	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	1820	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	1920	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	1920	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	2020	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	20-5	2020	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL-TWN)
M89	21-5	1620	4860	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	21-5	1620	6840	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)

M89	21-5	1630	4720	Wed	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	21-5	1630	5150	Wed	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	21-5	1639	4122	Wed	V C5ER (x3) DE 9UTL (x2)	CW	(JPL)
M89	21-5	1651	4357	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	21-5	1720	4860	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	21-5	1720	6840	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	21-5	1815	6233	Wed	i.p. NR 255 CK 139 78 05 21 0230 RMKS 0470 TO 8302 =	CW	(JPL)
M89	21-5	1820	4860	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	21-5	1820	6840	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	21-5	1920	4860	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	21-5	1920	6840	Wed	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	22-5	0020	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	22-5	0020	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	22-5	0030	7620	Thu	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	22-5	1120	4860	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	22-5	1120	6840	Thu	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	22-5	1130	7620	Thu	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	27-5	1002	8375	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	27-5	1002	12124	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	27-5	1805	4860	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	27-5	1805	6840	Tue	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	27-5	2255	8375	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	27-5	2255	12124	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	30-5	1120	4860	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	30-5	1120	6840	Fri	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	30-5	1130	7620	Fri	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	30-5	1158	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	30-5	1158	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	30-5	1703	4122	Fri	V C5ER (x3) DE 9UTL (x2)	CW	(JPL)
M89	30-5	1715	6777	Fri	NR 0106 CK 121 13 0531 0000 RMKS 6838 TO 6888 1P =	CW	(JPL)
M89	30-5	1734	4357	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	30-5	1734	5742	Fri	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-5	1030	5150	Sat	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	31-5	1030	7620	Sat	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	31-5	1030	8350	Sat	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	31-5	1713	4357	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-5	1713	12124	Sat	V 3JWV (x3) DE QSVP (x2)	CW	(JPL)
M89	31-5	1715	4122	Sat	V C5ER (x3) DE 9UTL (x2)	CW	(JPL)
M89	31-5	1720	4860	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	31-5	1720	6840	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	31-5	1820	4860	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL)
M89	31-5	1820	6840	Sat	V Q2M (x3) DE NYZ (x2)	CW	(JPL)

M89	31-5	1830	4720	Sat	VVV WNF (x3) DE FXM (X2)	CW	(JPL)
M89	31-5	1830	4726	Sat	VVV QPL (x3) DE 4WQ (X2)	CW	(JPL)
M89	31-5	1840	4850	Sat	VVV UIS (x3) DE HVV (X2)	CW	(JPL)
M95	1-5	0008	4542	Thu	V BNBC DE XS30 NR 0369 CK à1 35 05 01àà =	CW	(JPL-HK)
M95	1-5	0045	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	1-5	0128	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	1-5	1138	4542	Thu	V BNGC DE XS30 NR 0370 CK 148 35 05 011547 =	CW	(JPL-HK)
M95	1-5	1200	4156	Thu	into traffice (poor signal_	CW	(JPL-HK)
M95	3-5	1606	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	3-5	1606	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	8-5	1140	4542	Thu	V BNGC DE XS30 NR 0384 CK 251 35 05 081640 =	CW	(JPL-THA)
M95	8-5	1158	4156	Thu	i.p. NR 16 CK 241 35 05 081514 =	CW	(JPL-J)
M95	8-5	1220	4122	Thu	V C5ER (x3) DE 9UTL (x2)	CW	(JPL-J)
M95	8-5	1223	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	8-5	1223	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	8-5	1226	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M95	8-5	1226	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-J)
M95	13-5	1738	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	13-5	1738	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	14-5	1650	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	14-5	1650	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	15-5	1135	4542	Thu	V BNGC DE XS30 NR 0398 CK 142 35 0515 1642 =	CW	(JPL-HK)
M95	15-5	1149	4156	Thu	Unreadable	CW	(JPL-J)
M95	15-5	1211	4876	Thu	i.p. NR 1005/CCK CK 91 44 0529451 RMKS 8325 TO 83.2 =	CW	(JPL-J)
M95	17-5	1544	3903	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	17-5	1544	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	20-5	1135	4542	Tue	V BNGC DE XS30 NR 0408 CK 193 35 05 20 1553 =	CW	(JPL-HK)
M95	20-5	1159	4156	Tue	NR 060 CK 36 35 0520 1513 =	CW	(JPL-J)
M95	21-5	1703	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-5	0018	6557	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-5	0018	11475	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	22-5	1135	4542	Thu	Message	CW	(JPL)
M95	22-5	1149	4156	Thu	NR 054 CK 51 35 0522 =	CW	(JPL)
M95	30-5	1118	6557	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	30-5	1118	11475	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	30-5	1140	4532	Fri	V BNGC DE XS30	CW	(JPL)
M95	30-5	1150	4156	Fri	NR 080 CK 21 35 05 30 1449 =	CW	(JPL)
M95	30-5	1658	3903	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	30-5	1658	6886	Fri	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-5	1702	6557	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
M95	31-5	1702	6886	Sat	V WCJJ (x3) DE HBDD (x2)	CW	(JPL)
NB	3-5	1740	5107	Sat	Unid station a.k.a. New Buzzer	USB	(AB)

NB	3-5	1740	8160	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	3-5	1740	9695	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-5	1805	5107	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-5	1805	8160	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-5	1805	9695	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
P03	1-5	1950	8423	Thu	Polish intel.	PSK	(AB)
P03	1-5	1955	8423	Thu	Polish intel.	PSK	(AB)
P03	2-5	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	2-5	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	2-5	1100	8803	Fri	Polish intel.	PSK	(AB)
P03	2-5	1105	8803	Fri	Polish intel.	PSK	(AB)
P03	2-5	1345	14575	Fri	Polish intel.	PSK	(AB)
P03	2-5	1350	14575	Fri	Polish intel.	PSK	(AB)
P03	2-5	1515	19515	Fri	Polish intel.	PSK	(AB)
P03	2-5	1520	19515	Fri	Polish intel.	PSK	(AB)
P03	3-5	1020	7449	Sat	Polish intel.	PSK	(AB)
P03	3-5	1025	7449	Sat	Polish intel.	PSK	(AB)
P03	3-5	1245	5371	Sat	Polish intel.	PSK	(AB)
P03	3-5	1250	5371	Sat	Polish intel.	PSK	(AB)
P03	3-5	1310	10513	Sat	Polish intel.	PSK	(AB)
P03	3-5	1315	10513	Sat	Polish intel.	PSK	(AB)
P03	4-5	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	4-5	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	4-5	1020	7449	Sun	Polish intel.	PSK	(AB)
P03	4-5	1025	7449	Sun	Polish intel.	PSK	(AB)
P03	4-5	1100	8803	Sun	Polish intel.	PSK	(AB)
P03	4-5	1105	8803	Sun	Polish intel.	PSK	(AB)
P03	4-5	1220	18811	Sun	Polish intel.	PSK	(AB)
P03	4-5	1225	18811	Sun	Polish intel.	PSK	(AB)
P03	4-5	1245	5371	Sun	Polish intel.	PSK	(AB)
P03	4-5	1250	5371	Sun	Polish intel.	PSK	(AB)
P03	4-5	1515	19515	Sun	Polish intel.	PSK	(AB)
P03	4-5	1520	19515	Sun	Polish intel.	PSK	(AB)
P03	4-5	1725	13470	Sun	Polish intel.	PSK	(AB)
P03	4-5	1730	13470	Sun	Polish intel.	PSK	(AB)
P03	4-5	1950	8423	Sun	Polish intel.	PSK	(AB)
P03	4-5	1955	8423	Sun	Polish intel.	PSK	(AB)
P03	5-5	0950	10800	Mon	Polish intel.	PSK	(AB)
P03	5-5	0955	10800	Mon	Polish intel.	PSK	(AB)
P03	5-5	1220	18811	Mon	Polish intel.	PSK	(AB)
P03	5-5	1225	18811	Mon	Polish intel.	PSK	(AB)
P03	6-5	1100	9240	Tue	Polish intel.	PSK	(AB)

P03	6-5	1105	9240	Tue	Polish intel.	PSK	(AB)
P03	6-5	1725	13470	Tue	Polish intel.	PSK	(AB)
P03	6-5	1730	13470	Tue	Polish intel.	PSK	(AB)
P03	7-5	0950	10800	Wed	Polish intel.	PSK	(AB)
P03	7-5	0955	10800	Wed	Polish intel.	PSK	(AB)
P03	7-5	1100	9240	Wed	Polish intel.	PSK	(AB)
P03	7-5	1105	9240	Wed	Polish intel.	PSK	(AB)
P03	7-5	1310	10513	Wed	Polish intel.	PSK	(AB)
P03	7-5	1315	10513	Wed	Polish intel.	PSK	(AB)
P03	7-5	1345	14575	Wed	Polish intel.	PSK	(AB)
P03	7-5	1350	14575	Wed	Polish intel.	PSK	(AB)
P03	8-5	1950	8423	Thu	Polish intel.	PSK	(AB)
P03	8-5	1955	8423	Thu	Polish intel.	PSK	(AB)
P03	9-5	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	9-5	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	9-5	1100	8803	Fri	Polish intel.	PSK	(AB)
P03	9-5	1105	8803	Fri	Polish intel.	PSK	(AB)
P03	9-5	1345	14575	Fri	Polish intel.	PSK	(AB)
P03	9-5	1350	14575	Fri	Polish intel.	PSK	(AB)
P03	9-5	1515	19515	Fri	Polish intel.	PSK	(AB)
P03	9-5	1520	19515	Fri	Polish intel.	PSK	(AB)
P03	10-5	1020	7449	Sat	Polish intel.	PSK	(AB)
P03	10-5	1025	7449	Sat	Polish intel.	PSK	(AB)
P03	10-5	1245	5371	Sat	Polish intel.	PSK	(AB)
P03	10-5	1250	5371	Sat	Polish intel.	PSK	(AB)
P03	10-5	1310	10513	Sat	Polish intel.	PSK	(AB)
P03	10-5	1315	10513	Sat	Polish intel.	PSK	(AB)
P03	11-5	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	11-5	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	11-5	1020	7449	Sun	Polish intel.	PSK	(AB)
P03	11-5	1025	7449	Sun	Polish intel.	PSK	(AB)
P03	11-5	1100	8803	Sun	Polish intel.	PSK	(AB)
P03	11-5	1105	8803	Sun	Polish intel.	PSK	(AB)
P03	11-5	1245	5371	Sun	Polish intel.	PSK	(AB)
P03	11-5	1250	5371	Sun	Polish intel.	PSK	(AB)
P03	11-5	1515	19515	Sun	Polish intel.	PSK	(AB)
P03	11-5	1520	19515	Sun	Polish intel.	PSK	(AB)
P03	11-5	1725	13470	Sun	Polish intel.	PSK	(AB)
P03	11-5	1730	13470	Sun	Polish intel.	PSK	(AB)
P03	11-5	1950	8423	Sun	Polish intel.	PSK	(AB)
P03	11-5	1955	8423	Sun	Polish intel.	PSK	(AB)
P03	12-5	0950	10800	Mon	Polish intel.	PSK	(AB)

P03	12-5	0955	10800	Mon	Polish intel.	PSK	(AB)
P03	12-5	1220	18811	Mon	Polish intel.	PSK	(AB)
P03	12-5	1225	18811	Mon	Polish intel.	PSK	(AB)
P03	13-5	1100	9240	Tue	Polish intel.	PSK	(AB)
P03	13-5	1105	9240	Tue	Polish intel.	PSK	(AB)
P03	13-5	1725	13470	Tue	Polish intel.	PSK	(AB)
P03	13-5	1730	13470	Tue	Polish intel.	PSK	(AB)
P03	14-5	0950	10800	Wed	Polish intel.	PSK	(AB)
P03	14-5	0955	10800	Wed	Polish intel.	PSK	(AB)
P03	14-5	1100	9240	Wed	Polish intel.	PSK	(AB)
P03	14-5	1105	9240	Wed	Polish intel.	PSK	(AB)
P03	14-5	1310	10513	Wed	Polish intel.	PSK	(AB)
P03	14-5	1315	10513	Wed	Polish intel.	PSK	(AB)
P03	14-5	1345	14575	Wed	Polish intel.	PSK	(AB)
P03	14-5	1350	14575	Wed	Polish intel.	PSK	(AB)
P03	15-5	1950	8423	Thu	Polish intel.	PSK	(AB)
P03	15-5	1955	8423	Thu	Polish intel.	PSK	(AB)
P03	16-5	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	16-5	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	16-5	1100	8803	Fri	Polish intel.	PSK	(AB)
P03	16-5	1105	8803	Fri	Polish intel.	PSK	(AB)
P03	16-5	1345	14575	Fri	Polish intel.	PSK	(AB)
P03	16-5	1350	14575	Fri	Polish intel.	PSK	(AB)
P03	16-5	1515	19515	Fri	Polish intel.	PSK	(AB)
P03	16-5	1520	19515	Fri	Polish intel.	PSK	(AB)
P03	17-5	1020	7449	Sat	Polish intel.	PSK	(AB)
P03	17-5	1025	7449	Sat	Polish intel.	PSK	(AB)
P03	17-5	1245	5371	Sat	Polish intel.	PSK	(AB)
P03	17-5	1250	5371	Sat	Polish intel.	PSK	(AB)
P03	17-5	1310	10513	Sat	Polish intel.	PSK	(AB)
P03	17-5	1315	10513	Sat	Polish intel.	PSK	(AB)
P03	18-5	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	18-5	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	18-5	1020	7449	Sun	Polish intel.	PSK	(AB)
P03	18-5	1025	7449	Sun	Polish intel.	PSK	(AB)
P03	18-5	1100	8803	Sun	Polish intel.	PSK	(AB)
P03	18-5	1105	8803	Sun	Polish intel.	PSK	(AB)
P03	18-5	1220	18811	Sun	Polish intel.	PSK	(AB)
P03	18-5	1225	18811	Sun	Polish intel.	PSK	(AB)
P03	18-5	1245	5371	Sun	Polish intel.	PSK	(AB)
P03	18-5	1250	5371	Sun	Polish intel.	PSK	(AB)
P03	18-5	1515	19515	Sun	Polish intel.	PSK	(AB)

P03	18-5	1520	19515	Sun	Polish intel.	PSK	(AB)
P03	18-5	1725	13470	Sun	Polish intel.	PSK	(AB)
P03	18-5	1730	13470	Sun	Polish intel.	PSK	(AB)
P03	18-5	1950	8423	Sun	Polish intel.	PSK	(AB)
P03	18-5	1955	8423	Sun	Polish intel.	PSK	(AB)
P03	19-5	0950	10800	Mon	Polish intel.	PSK	(AB)
P03	19-5	0955	10800	Mon	Polish intel.	PSK	(AB)
P03	20-5	1100	9240	Tue	Polish intel.	PSK	(AB)
P03	20-5	1105	9240	Tue	Polish intel.	PSK	(AB)
P03	20-5	1725	13470	Tue	Polish intel.	PSK	(AB)
P03	20-5	1730	13470	Tue	Polish intel.	PSK	(AB)
P03	21-5	0950	10800	Wed	Polish intel.	PSK	(AB)
P03	21-5	0955	10800	Wed	Polish intel.	PSK	(AB)
P03	21-5	1100	9240	Wed	Polish intel.	PSK	(AB)
P03	21-5	1105	9240	Wed	Polish intel.	PSK	(AB)
P03	21-5	1310	10513	Wed	Polish intel.	PSK	(AB)
P03	21-5	1315	10513	Wed	Polish intel.	PSK	(AB)
P03	21-5	1345	14575	Wed	Polish intel.	PSK	(AB)
P03	21-5	1350	14575	Wed	Polish intel.	PSK	(AB)
P03	22-5	1950	8423	Thu	Polish intel.	PSK	(AB)
P03	22-5	1955	8423	Thu	Polish intel.	PSK	(AB)
P03	23-5	0530	5844	Fri	Polish intel.	PSK	(AB)
P03	23-5	0535	5844	Fri	Polish intel.	PSK	(AB)
P03	23-5	1100	8803	Fri	Polish intel.	PSK	(AB)
P03	23-5	1105	8803	Fri	Polish intel.	PSK	(AB)
P03	23-5	1345	14575	Fri	Polish intel.	PSK	(AB)
P03	23-5	1350	14575	Fri	Polish intel.	PSK	(AB)
P03	23-5	1515	19515	Fri	Polish intel.	PSK	(AB)
P03	23-5	1520	19515	Fri	Polish intel.	PSK	(AB)
P03	24-5	1020	7449	Sat	Polish intel.	PSK	(AB)
P03	24-5	1025	7449	Sat	Polish intel.	PSK	(AB)
P03	24-5	1245	5371	Sat	Polish intel.	PSK	(AB)
P03	24-5	1250	5371	Sat	Polish intel.	PSK	(AB)
P03	24-5	1310	10513	Sat	Polish intel.	PSK	(AB)
P03	24-5	1315	10513	Sat	Polish intel.	PSK	(AB)
P03	25-5	0530	5844	Sun	Polish intel.	PSK	(AB)
P03	25-5	0535	5844	Sun	Polish intel.	PSK	(AB)
P03	25-5	1020	7449	Sun	Polish intel. Test tone at 1010z but no transmissions followed	PSK	(AB)
P03	25-5	1100	8803	Sun	Polish intel.	PSK	(AB)
P03	25-5	1105	8803	Sun	Polish intel.	PSK	(AB)
P03	25-5	1220	18811	Sun	Polish intel.	PSK	(AB)
P03	25-5	1225	18811	Sun	Polish intel.	PSK	(AB)

P03	25-5	1245	5371	Sun	Polish intel.	PSK	(AB)
P03	25-5	1250	5371	Sun	Polish intel.	PSK	(AB)
P03	25-5	1725	13470	Sun	Polish intel.	PSK	(AB)
P03	25-5	1730	13470	Sun	Polish intel.	PSK	(AB)
P03	25-5	1950	8423	Sun	Polish intel.	PSK	(AB)
P03	25-5	1955	8423	Sun	Polish intel.	PSK	(AB)
P03	27-5	1725	13470	Tue	Polish intel.	PSK	(AB)
P03	27-5	1730	13470	Tue	Polish intel.	PSK	(AB)
P03	28-5	0950	10800	Wed	Polish intel.	PSK	(AB)
P03	28-5	0955	10800	Wed	Polish intel.	PSK	(AB)
P03	29-5	1950	8423	Thu	Polish intel.	PSK	(AB)
P03	29-5	1955	8423	Thu	Polish intel.	PSK	(AB)
P03g	5-5	1030	10513	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	5-5	1035	10513	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-5	1030	10513	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	7-5	1035	10513	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-5	1030	10513	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	12-5	1035	10513	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-5	1030	10513	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	14-5	1035	10513	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-5	1030	10513	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	19-5	1035	10513	Mon	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-5	1030	10513	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	21-5	1035	10513	Wed	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	2-5	1500	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	2-5	1505	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	6-5	1500	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	6-5	1505	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-5	1500	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	9-5	1505	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	13-5	1500	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	13-5	1505	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-5	1500	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	16-5	1505	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	20-5	1500	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	20-5	1505	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-5	1500	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	23-5	1505	10210	Fri	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	27-5	1500	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	27-5	1505	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03j	2-5	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	2-5	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)

P03j	5-5	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	5-5	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-5	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-5	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-5	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	7-5	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	9-5	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	9-5	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	12-5	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	12-5	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-5	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-5	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-5	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	14-5	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16-5	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	16-5	1320	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	19-5	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	19-5	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-5	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-5	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-5	1315	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	21-5	1320	16335	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	23-5	1315	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	23-5	1321	16335	Fri	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	26-5	0630	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	26-5	0635	17535	Mon	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-5	0630	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03j	28-5	0635	17535	Wed	Polish intel.	QPSK 100Bd/504bp	(AB)
P03k	3-5	0630	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-5	0635	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-5	1230	19972	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-5	1335	19972	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-5	1730	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	3-5	1735	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-5	0630	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-5	0635	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-5	1230	19972	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-5	1235	19972	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-5	1730	7984	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	7-5	1735	7984	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-5	0630	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-5	0635	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	10-5	1230	19972	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-5	1335	19972	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-5	1730	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	10-5	1735	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-5	0630	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-5	0635	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-5	1230	19972	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-5	1235	19972	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-5	1730	7984	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	14-5	1735	7984	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-5	0630	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-5	0635	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	17-5	1730	7984	Sat	Polish intel. Harmonics on 7970 and 8000 kHz	BPSK 100Bd/480bp	(AB)
P03k	17-5	1735	7984	Sat	Polish intel. Harmonics on 7970 and 8000 kHz	BPSK 100Bd/480bp	(AB)
P03k	18-5	0630	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-5	0635	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-5	1230	19972	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-5	1235	19972	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-5	1730	7984	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	21-5	1735	7984	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-5	0630	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-5	0635	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-5	1730	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	24-5	1735	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-5	0630	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-5	0635	9371	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-5	0630	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-5	0635	9371	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-5	1730	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	31-5	1735	7984	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	1-5	1200	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	1-5	1205	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-5	1200	9431	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-5	1205	9431	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-5	1200	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	8-5	1205	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-5	1200	9431	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-5	1205	9431	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-5	1200	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-5	1200	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-5	1205	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	15-5	1205	9431	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	19-5	1200	9431	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-5	1205	9431	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	4-5	1400	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-5	1400	9067	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-5	1410	8137	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-5	1430	6828	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-5	1440	6794	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	4-5	1450	5774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-5	1400	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-5	1400	9067	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-5	1410	8137	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-5	1430	6828	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-5	1440	6794	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	7-5	1450	5774	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-5	1400	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-5	1400	9067	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-5	1410	8137	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-5	1430	6828	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-5	1440	6794	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	11-5	1450	5774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-5	1400	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-5	1400	9067	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-5	1410	8137	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-5	1430	6828	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-5	1440	6794	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	14-5	1450	5774	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-5	1400	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-5	1400	9067	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-5	1410	8137	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-5	1430	6828	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-5	1440	6794	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	18-5	1450	5774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-5	1400	7704	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-5	1400	9067	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-5	1410	8137	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-5	1430	6828	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-5	1440	6794	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	21-5	1450	5774	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-5	1400	7704	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-5	1400	9067	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-5	1410	8137	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-5	1430	6828	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

P07	25-5	1440	6794	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	25-5	1450	5774	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	1-5	0002	4542	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL-HK)
Q26	1-5	1131	4542	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL-HK)
Q26	8-5	1133	4542	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL-THA)
Q26	15-5	1130	4542	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL-HK)
Q26	15-5	1142	4156	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL-J)
Q26	20-5	1135	4542	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL-HK)
Q26	20-5	1150	4156	Tue	Message	4+4 QPSK 75/1000 LSB	(JPL-J)
Q26	22-5	1130	4542	Thu	Message	4+4 QPSK 75/1000 LSB	(JPL)
Q26	22-5	1142	4156	Thu	Messae	4+4 QPSK 75/1000 LSB	(JPL)
Q26	30-5	1133	4532	Fri	Message	4+4 QPSK 75/1000 LSB	(JPL)
RUS	1-5	1958	16331.7	Thu	Beacon D, Sevastopol	CW	(RL)
S06	2-5	1900	11149	Fri	842 842 842 00000	USB	(AB/Lac/HFD)
S06	2-5	2000	9205	Fri	842 842 842 00000	USB	(AB/Lac/HFD)
S06	4-5	0800	12207	Sun	480 ...	USB	(HFD)
S06	5-5	0400	11616	Mon	480 917 53 46198 ...	USB	(HFD-J)
S06	5-5	0420	9322	Mon	480 ...	USB	(HFD-J)
S06	7-5	0930	14975	Wed	480 396 45 70344 ...	USB	(HFD)
S06	7-5	0930	14975	Wed	480 396 45 70340 89469 40696 ... 78205 56898 32160 396 45 00000	USB	(TM/Lac)
S06	7-5	1030	12093	Wed	480 ...	USB	(HFD)
S06	7-5	1030	13389	Wed	480 396 45 70340 89469 40696 ... 78205 56898 32160 396 45 00000	USB	(TM/Lac)
S06	10-5	1600	13457	Sat	480 157 44 07234 94343 42986 ... 36251 28416 68914 157 44 00000	USB	(AB/Lac)
S06	10-5	1630	11128	Sat	480 157 44 07234 94343 42986 ... 36251 28416 68914 157 44 00000	USB	(AB/Lac)
S06	11-5	0730	14735	Sun	480 157 44 07234 94343 42986 ... 36251 28416 68914 157 44 00000	USB	(AB)
S06	11-5	0800	12207	Sun	480 157 44 07234 94343 42986 ... 36251 28416 68914 157 44 00000	USB	(AB)
S06	14-5	0930	14975	Wed	480 962 41 25317 62084 20917 ... 42982 35361 78969 962 41 00000	USB	(AB/Lac)
S06	14-5	1030	13389	Wed	480 962 41 25317 62084 20917 ... 42982 35361 78969 962 41 00000	USB	(AB/Lac)
S06	16-5	1900	11149	Fri	842 842 842 00000	USB	(AB)
S06	16-5	2000	9205	Fri	842 842 842 00000	USB	(AB)
S06	23-5	1900	11149	Fri	842 630 51 36011 76736 61047 ... 07315 76559 73655 630 51 0000	USB	(qsr711)
S06	23-5	2000	9205	Fri	842 630 51 36011 76736 61047 ... 07315 76559 73655 630 51 0000	USB	(qsr711)
S06	24-5	1900	11149	Sat	842 630 51 36011 76736 61047 ... 07315 76559 73655 630 51 0000	USB	(AB/qsr711)
S06	24-5	2000	9205	Sat	842 630 51 36011 76736 61047 ... 07315 76559 73655 630 51 0000	USB	(AB/qsr711)
S06	28-5	0400	11616	Wed	480 176 25 21583 36479 80010 ... 74955 90711 90008 480 295 31 01873 05246 90022 ... 69790 35032 05665 295 31 00000	USB	(Lac)
S06	28-5	0420	9322	Wed	480 176 25 21583 36479 80010 ... 74955 90711 90008 480 295 31 01873 05246 90022 ... 69790 35032 05665 295 31 00000	USB	(Lac)
S06	29-5	0400	11616	Thu	480 176 25 21583 36479 80010 ... 74955 90711 90008 176 25 480 295 31 01873 05246 90022 ... 69790 35032 05665 29	USB	(PY)
S06c	22-5	1022	12143	Thu	11222 (R7m40s)	USB	(PY)
S06c	22-5	1035	12143	Thu	11222 (R4m)	USB	(PY)

S06c	22-5	1045	10717	Thu	11222 (R4m)	USB	(PY)
S11a	1-5	0445	9968	Thu	797/00 Konets	USB	(AB/HFD/Lac)
S11a	1-5	0700	9339	Thu	470/00 Konets	USB	(AB/HFD/Lac)
S11a	2-5	0915	6814	Fri	485/00 Konets	USB	(AB/HFD/Lac)
S11a	2-5	1400	9448	Fri	424/00 Konets	USB	(AB/HFD/Lac)
S11a	3-5	0830	5149	Sat	370/40 Vnimanaye 93305 77592 08499 ... 42628 65306 24437 Vnimanaye (msg rptd) Konets	USB	(AB/HFD/Lac)
S11a	3-5	1850	12457	Sat	286/00 Konets	USB	(AB/HFD)
S11a	4-5	0830	5149	Sun	370/40 Vnimanaye 93305 77592 08499 ... 42628 65306 24437 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	5-5	0510	16357	Mon	654/00 Konets	USB	(HFD)
S11a	5-5	0700	9339	Mon	471/39 Vnimanaye 75683 98117 82554 ... 96390 68638 31541 Vnimanaye (msg rptd) Konets	USB	(AB/Lac)
S11a	5-5	0915	6814	Mon	482/00 Konets	USB	(AB)
S11a	6-5	0445	9968	Tue	799/00 Konets	USB	(TM)
S11a	6-5	1400	9448	Tue	421/00 Konets	USB	(AB/HFD)
S11a	7-5	0510	16357	Wed	657/00 Konets	USB	(AB-POL)
S11a	7-5	1850	12457	Wed	286/00 Konets	USB	(AB/Lac)
S11a	8-5	0445	9968	Thu	794/00 Konets	USB	(TM)
S11a	8-5	0700	9339	Thu	471/39 Vnimanaye 75683 98117 82554 ... 96390 68638 31541 Vnimanaye (msg rptd) Konets	USB	(AB/Lac)
S11a	9-5	0725	18773	Fri	381/00 Konets	USB	(HFD)
S11a	9-5	0915	6814	Fri	486/00 Konets	USB	(AB-POL/Lac)
S11a	9-5	1400	9448	Fri	424/00 Konets	USB	(AB)
S11a	10-5	0830	5149	Sat	373/00 Konets	USB	(AB)
S11a	10-5	1850	12457	Sat	287/00 Konets	USB	(AB)
S11a	11-5	0830	5149	Sun	377/00 Konets	USB	(AB)
S11a	12-5	0510	16357	Mon	657/00 Konets	USB	(AB-POL)
S11a	12-5	0700	9339	Mon	476/00 Konets	USB	(AB/Lac)
S11a	12-5	0915	6814	Mon	487/00 Konets	USB	(AB/Lac)
S11a	13-5	0445	9968	Tue	794/37 Vnimanaye ...	USB	(TM)
S11a	13-5	1400	9448	Tue	420/38 Vnimanaye 42987 30053 83886 ... 12543 19705 01128 Vnimanaye (msg rptd) Konets	USB	(AB/Lac)
S11a	14-5	0510	16357	Wed	656/00 Konets	USB	(AB-POL)
S11a	14-5	1850	12457	Wed	285/00 Konets	USB	(AB)
S11a	15-5	0700	9339	Thu	476/00 Konets	USB	(AB/Lac)
S11a	16-5	0915	6814	Fri	481/00 Konets	USB	(AB-POL)
S11a	16-5	1400	9448	Fri	420/38 Vnimanaye 42987 30053 83886 ... 12543 19705 01128 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	17-5	0830	5149	Sat	377/00 Konets	USB	(AB/Lac)
S11a	17-5	1850	12457	Sat	281/00 Konets	USB	(AB)
S11a	18-5	0830	5149	Sun	377/00 Konets	USB	(AB)

S11a	19-5	0510	16357	Mon	654/00 Konets	USB	(AB-POL)
S11a	19-5	0700	9339	Mon	471/00 Konets	USB	(AB/Lac)
S11a	19-5	0915	6814	Mon	481/37 Vnimanije 86187 16113 53849 ... 74603 39962 09463 Vnimanije (msg rptd) Out	USB	(AB/Lac)
S11a	20-5	0445	9968	Tue	793/00 Konets	USB	(AB)
S11a	20-5	0700	9339	Tue	477/00 Konets	USB	(Lac)
S11a	20-5	1400	9448	Tue	425/00 Konets	USB	(AB)
S11a	21-5	0510	16357	Wed	654/00 Konets	USB	(AB-POL)
S11a	21-5	0725	18773	Wed	381/32 Vnimanije 85477 03290 46806 ... 86842 24622 32655 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	21-5	1850	12457	Wed	280/00 Konets	USB	(AB)
S11a	22-5	0445	9968	Thu	791/00 Konets	USB	(TM)
S11a	22-5	0700	9339	Thu	477/00 Konets	USB	(AB)
S11a	23-5	0725	18773	Fri	381/32 Vnimanije 85477 03290 46806 ... 86842 24622 32655 Vnimanije (msg rptd) Konets	USB	(AB-POL)
S11a	23-5	0915	6814	Fri	481/37 Vnimanije 86187 16113 53849 ... 74603 39962 09463 Vnimanije (msg rptd) Out	USB	(AB-POL)
S11a	23-5	1400	9448	Fri	426/00 Konets	USB	(AB)
S11a	24-5	0830	5149	Sat	371/00 Konets	USB	(AB)
S11a	24-5	1850	12457	Sat	280/00 Konets	USB	(AB)
S11a	25-5	0700	9339	Sun	478/00 Konets	USB	(AB)
S11a	25-5	0830	5149	Sun	373/00 Konets	USB	(AB)
S11a	26-5	0515	16357	Mon	Message i.p.	USB	(AB-POL)
S11a	26-5	0700	9339	Mon	478/00 Konets	USB	(Lac)
S11a	26-5	0915	6814	Mon	482/00 Konets	USB	(Lac)
S11a	27-5	1400	9448	Tue	424/00 Konets	USB	(AB)
S11a	27-5	1400	9448	Tue	424/00 Konets	USB	(Lac)
S11a	28-5	0510	16357	Wed	659/39 Vnimanije 53945 81378 77069 ... 51980 62455 00167 Vnimanije (msg rptd) Konets	USB	(Lac)
S11a	28-5	0725	18773	Wed	381/00 Konets	USB	(AB)
S11a	28-5	0725	18773	Wed	381/00 Konets	USB	(Lac)
S11a	29-5	0700	9339	Thu	477/00 Konets	USB	(Lac)
UM03	22-5	0140	7920	Thu	X2M i.p. 77 77 CK 100 CK 100 TIME 0754 TIME 0754 DAY 2205 DATE 2205 = CQ DE X2M MSG ENG	CW	(JPL-HK)
UM03	22-5	0140	8250	Thu	X2M i.p. 77 77 CK 100 CK 100 TIME 0754 TIME 0754 DAY 2205 DATE 2205 = CQ DE X2M MSG ENG	CW	(JPL-HK)
UM03	22-5	0140	8410	Thu	X2M i.p. 77 77 CK 100 CK 100 TIME 0754 TIME 0754 DAY 2205 DATE 2205 = CQ DE X2M MSG ENG	CW	(JPL-HK)
UM04	1-5	0700	4735	Thu	VVV VVV PROMRCh = 01 05 = 1000 0910 0950 1070 1480 ... 0800 0760 0800 0930 1320 = AR	CW	(AB-GRC)
UM04	2-5	0700	4735	Fri	VVV VVV PROMRCh = 02 05 = 1000 0920 0950 1080 1480 ... 0800 0770 0810 0940 1330 = AR	CW	(AB-GRC)
UM04	4-5	0700	4735	Sun	VVV VVV PROMRCh = 04 05 = 1000 0920 0950 1080 1470 ... 0800 0780 0820 0940 1340 = AR	CW	(AB-HNG)
UM04	5-5	0702	4735	Mon	VVV VVV PROMRCh = 05 05 = 1000 0920 0950 1070 1470 ... 0800 0780 0810 0940 1330 = AR	CW	(AB)
UM04	6-5	0700	4735	Tue	VVV VVV PROMRCh = 06 05 = 1000 0920 0950 1070 1470 ... 0800 0780 0820 0950 1340 = AR	CW	(AB-GRC)

UM04	7-5	0700	4735	Wed	VVV VVV PROMRCh = 08 05 = 1000 0920 0950 1070 1460 ... 0800 0780 0820 0940 1330 = AR (wrong date)	CW	(AB-GRC)
UM04	8-5	0700	4735	Thu	VVV VVV PROMRCh = 08 05 = 1000 0920 0950 1070 1460 ... 0800 0780 0820 0940 1320 = AR	CW	(AB-GRC)
UM04	9-5	0700	4735	Fri	VVV VVV PROMRCh = 09 05 = 1000 0910 0940 1060 1450 ... 0800 0780 0810 0930 1320 = AR	CW	(AB-GRC)
UM04	10-5	0700	4735	Sat	VVV VVV PROMRCh = 10 05 = 1000 0900 0940 1050 1450 ... 0800 0780 0810 0930 1320 = AR	CW	(AB-HNG)
UM04	11-5	0702	4735	Sun	VVV VVV PROMRCh = 11 05 = 1000 0890 0920 1040 1450 ... 0800 0750 0770 0810 1300 = AR	CW	(AB-HNG)
UM04	12-5	0702	4735	Mon	VVV VVV PROMRCh = 12 05 = 1000 0890 0910 1030 1450 ... 0800 0770 0810 0930 1300 = AR	CW	(AB-HNG)
UM04	13-5	0700	4735	Tue	VVV VVV PROMRCh = 13 05 = 1000 0880 0910 1030 1450 ... 0800 0770 0800 0920 1300 = AR	CW	(AB-GRC)
UM04	14-5	0700	4735	Wed	VVV VVV PROMRCh = 14 05 = 1000 0870 0900 1020 1440 ... 0800 0770 0800 0920 1290 = AR	CW	(AB-GRC)
UM04	15-5	0700	4735	Thu	VVV VVV PROMRCh = 15 05 = 1000 0860 0900 1010 1440 ... 0800 0750 0800 0920 1280 = AR	CW	(AB-GRC)
UM04	16-5	0700	4735	Fri	VVV VVV PROMRCh = 16 05 = 1000 0860 0890 1000 1440 ... 0800 0760 0790 0910 1270 = AR	CW	(AB-GRC)
UM04	17-5	0700	4735	Sat	VVV VVV PROMRCh = 17 05 = 1000 0840 0870 0980 1430 ... 0800 0750 0780 0900 1260 = AR	CW	(AB-HNG)
UM04	18-5	0700	4735	Sun	VVV VVV PROMRCh = 18 05 = 1000 0830 0850 0970 1430 ... 0800 0740 0770 0890 1250 = AR	CW	(AB-GRC)
UM04	19-5	0659	4735	Mon	RRUR 5NN 73 TU VVV VVV PROMRCh = 19 05 = 1000 0810 0840 0950 1430 ... 0800 0730 0760 0880 1250 = AR	CW	(AB-GRC)
UM04	22-5	0700	4735	Thu	VVV VVV PROMRCh = 22 05 = 1000 0790 0820 0930 1420 ... 0800 0720 0760 0870 1260 = AR	CW	(AB-HNG)
UM04	23-5	0700	4735	Fri	VVV VVV PROMRCh = 23 05 = 1000 0790 0810 0930 1430 ... 0800 0720 0760 0870 1260 = AR	CW	(AB-GRC)
UM04	25-5	0700	4735	Sun	VVV VVV PROMRCh = 25 05 = 1000 0790 0820 0930 1430 ... 0800 0740 0770 0880 2600 = AR	CW	(AB-GRC)
UM04	26-5	0700	4735	Mon	VVV VVV PROMRCh = 26 05 = 1000 0790 0820 0930 1430 ... 0800 0740 0780 0890 1260 = AR	CW	(AB-HNG)
UM04	27-5	0700	4735	Tue	VVV VVV PROMRCh = 27 05 = 1000 0800 0830 0940 1430 ... 0800 0750 0780 0900 1270 = AR	CW	(AB)
UM04	28-5	0700	4735	Wed	VVV VVV PROMRCh = 28 05 = 1000 0810 0840 0950 1430 ... 0800 0760 0790 0910 1270 = AR	CW	(AB-GRC)
UM04	29-5	0700	4735	Thu	VVV VVV PROMRCh = 29 05 = 1000 0810 0840 0950 1430 ... 0800 0770 0800 0910 1270 = AR	CW	(AB-HNG)
UM04	31-5	0700	4735	Sat	VVV VVV PROMRCh = 31 05 = 1000 0820 0850 0960 1430 ... 0800 0770 0810 0920 1280 = AR	CW	(AB-HRV)
UM10	18-5	1858	4116	Sun	HDNA (R10)	CW	(JPL-J)
UM10	18-5	1925	4116	Sun	HDNA (R10)	CW	(JPL-J)
UM10	19-5	1651	3542	Mon	HDNA (R10)	CW	(JPL-J)
UM10	19-5	1651	4116	Mon	HDNA (R10)	CW	(JPL-J)
UM10	30-5	1724	3542	Fri	Ten minutes net i.p.: HDNA (R)	CW	(JPL-J)
UM10	30-5	1724	4116	Fri	Ten minutes net i.p.: HDNA (R)	CW	(JPL-J)
V07	4-5	0700	14469	Sun	431 431 431 1 9099 59 9099 59 10166 31005 21191 ... 26209 85017 83145 000 000	USB	(Dan/HFD-USA)
V07	4-5	0720	13369	Sun	431 431 431 1 9099 59 9099 59 10166 31005 21191 ... 26209 85017 83145 000 000	USB	(HFD-USA)
V07	4-5	0740	12169	Sun	431 431 431 1 9099 59 9099 59 10166 31005 21191 ... 26209 85017 83145 000 000	USB	(HFD-USA)
V07	11-5	0700	14469	Sun	431 431 431 1 2957 102 102 80170 47463 63686 ... 05904 13261 33769 000 000	USB	(AB-J)
V07	11-5	0720	13369	Sun	431 431 431 1 2957 102 102 80170 47463 63686 ... 05904 13261 33769 000 000	USB	(AB-J/Lac)
V07	11-5	0740	12169	Sun	431 431 431 1 2957 102 102 80170 47463 63686 ... 05904 13261 33769 000 000	USB	(AB-J/Lac)
V07	18-5	0700	14469	Sun	431 431 431 1 5634 41 5634 41 85993 59079 85025 ... 49743 39465 45313 000 000	USB	(AB-J/Lac)
V07	18-5	0720	13369	Sun	431 431 431 1 5634 41 5634 41 85993 59079 85025 ... 49743 39465 45313 000 000	USB	(AB-J/Lac)
V07	18-5	0740	12169	Sun	431 431 431 1 5634 41 5634 41 85993 59079 85025 ... 49743 39465 45313 000 000	USB	(AB-J)
V07	25-5	0700	14469	Sun	431 431 431 1 3313 113 3313 113 92509 62425 52171 ... 00458 63847 61909 000 000	USB	(AB- J/Dan/Lac)
V07	25-5	0720	13369	Sun	431 431 431 1 3313 113 3313 113 92509 62425 52171 ... 00458 63847 61909 000 000	USB	(AB-J/Lac)
V07	25-5	0740	12169	Sun	431 431 431 1 3313 113 3313 113 92509 62425 52171 ... 00458 63847 61909 000 000	USB	(AB-J/Lac)

V13	5-5	0000	15890	Mon	New Star Broadcasting. Station 3. Messages to units 0522, 1398, 4417	USB	(FSpy)
V13	5-5	0100	20025	Mon	New Star Broadcasting. Station 4. Messages to units 0142, 3342, 5358	USB	(FSpy)
V13	8-5	0200	8169	Thu	New Star Broadcasting. Station 1. Messages to units 4002, 7117, 8504	USB	(FSpy)
V13	16-5	0130	20025	Fri	New Star Broadcasting. Station 4. Messages to units 4133, 4163, 8281	USB	(FSpy)
V13	19-5	0130	20025	Mon	New Star Broadcasting. Station 4. Messages to units 2139, 2421, 3221	USB	(FSpy)
V13	20-5	0153	8169	Tue	New Star Broadcasting. Station 1. Messages to units 6602, 6822, 5675	USB	(FSpy)
V13	21-5	0000	15890	Wed	New Star Broadcasting. Station 3. Messages to units 2696, 2874, 3965	USB	(FSpy)
V13	23-5	0330	9276	Fri	New Star Broadcasting. Station 2. Messages to units 2728, 9764, 9865	USB	(FSpy)
V13	25-5	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 3428, 5572, 9774	USB	(FSpy)
V13	25-5	0130	18040	Sun	New Star Broadcasting. Station 3. Messages to units 2606, 2877, 3854	USB	(FSpy)
V13	26-5	0200	8300	Mon	New Star Broadcasting. Station 2. Messages to units 5613, 6593, 8517	USB	(FSpy)
V13	26-5	0230	8169	Mon	New Star Broadcasting. Station 1. Messages to units 0430, 0483, 1349	USB	(FSpy)
V13a	1-5	0100	19052	Thu	New Star Broadcasting. Station 1. Messages to units 7130, 7153, 7300, 7436	AM	(FSpy)
V13a	7-5	0100	19052	Wed	New Star Broadcasting. Station 1. Messages to units 7658, 7666, 7802, 7999, 8138, 8191	AM	(FSpy)
V13a	21-5	0100	19052	Wed	New Star Broadcasting. Station 1. Messages to units 0419, 0506, 1193, 1842, 2081, 2196, 2220	AM	(FSpy)
V26	1-5	0001	4542	Thu	Message	USB	(JPL-HK)
V26	1-5	1130	4542	Thu	Message	USB	(JPL-HK)
V26	8-5	1131	4542	Thu	Message	USB	(JPL-THA)
V26	15-5	1129	4542	Thu	Message	USB	(JPL-HK)
V26	15-5	1140	4156	Thu	Message	USB	(JPL-J)
V26	20-5	1140	4156	Tue	Message	USB	(JPL-J)
V26	20-5	1157	4542	Tue	Message	USB	(JPL-HK)
V26	22-5	1129	4542	Thu	Message	USB	(JPL)
V26	22-5	1140	4156	Thu	Message	USB	(JPL)
V26	30-5	1132	4532	Fri	Message	USB	(JPL)
V28	9-5	1002	5491	Fri	Parrot	AM	(HK)
V28	10-5	1006	5491	Sat	Parrot	AM	(HK)
VC01	15-5	1535	6941	Thu	Chinese Air Defense a.k.a. Chinese Robot	USB	(KX0DW-J)
X--	20-5	1600	10278	Tue	Russian intel	MFSK-21/MFSK-13	(AB)
X06	2-5	1400	19432	Fri	111666		(HFD)
X06	6-5	0852	18523	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(Moon)
X06	6-5	1649	17421	Tue	MFA Moscow clg 246531: Accra	MFSK-6	(T101)
X06	7-5	0833	14631	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(AB/Moon)
X06	7-5	1110	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB/Moon)
X06	7-5	1533	14501	Wed	MFA Moscow clg 214356: Russian embassy Amman	MFSK-6	(AB)
X06	12-5	0934	19235	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(RO)
X06	13-5	0753	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Moon)
X06	13-5	0804	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)
X06	16-5	1029	14824	Fri	MFA Moscow clg 625413 Russian embassy Tel Aviv	MFSK-6	(AB)
X06	16-5	1319	17420	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	16-5	1324	16320	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)

X06	20-5	0825	15687	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/RO)
X06	20-5	0901	16188	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(AB/Moon)
X06	21-5	1108	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(AB/RO)
X06	21-5	1222	20374	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(RO)
X06	22-5	0816	16153	Thu	MFA Moscow clg 153624: Russian embassy Damascus	MFSK-6	(Moon)
X06	23-5	0637	11155	Fri	MFA Moscow clg 341265: unid embassy	MFSK-6	(RO)
X06	23-5	0834	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB/RO)
X06	23-5	0926	17523	Fri	MFA Moscow clg 542136 Russian embassy Beijing	MFSK-6	(AB/RO)
X06	25-5	1040	17430	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RO)
X06	27-5	0814	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Moon)
X06	27-5	1152	16317	Tue	MFA Moscow clg 612534: Russian embassy Ashgabat	MFSK-6	(Moon)
X06	28-5	0906	13985	Wed	MFA Moscow clg 134265: Russian embassy Tunis	MFSK-6	(Moon)
X06b	8-5	1001	17468	Thu	111666	USB	(Lac)
X06b	22-5	0759	18479	Thu	111666 before XPA2	MFSK-6	(Priyom)
X06b	22-5	0800	19246	Thu	111666 before XPA2	MFSK-6	(Priyom)
X06b	22-5	0800	20158	Thu	111666 before XPA2	MFSK-6	(Priyom)
XPA1	2-5	1210	13419	Fri	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB/HFD)
XPA1	2-5	1230	12219	Fri	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB/HFD)
XPA1	2-5	1250	11419	Fri	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB/HFD)
XPA1	7-5	1210	13419	Wed	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB)
XPA1	7-5	1230	12219	Wed	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB)
XPA1	7-5	1250	11419	Wed	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB)
XPA1	9-5	1210	13419	Fri	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB)
XPA1	9-5	1230	12219	Fri	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB)
XPA1	9-5	1250	11419	Fri	424 424 424 1 02720 00074 27483 ... 43131 80855 27515	MFSK-20/10Bd	(AB)
XPA1	14-5	1210	13419	Wed	424 424 424 000 03546 00001 00000 36657	MFSK-20/10Bd	(AB)
XPA1	14-5	1230	12219	Wed	424 424 424 000 03546 00001 00000 36657	MFSK-20/10Bd	(AB)
XPA1	14-5	1250	11419	Wed	424 424 424 000 03546 00001 00000 36657	MFSK-20/10Bd	(AB)
XPA1	16-5	1210	13419	Fri	424 424 424 000 04436 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	16-5	1230	12219	Fri	424 424 424 000 04436 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	16-5	1250	11419	Fri	424 424 424 000 04436 00001 00000 36257	MFSK-20/10Bd	(AB)
XPA1	21-5	1210	13419	Wed	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(AB)
XPA1	21-5	1230	12219	Wed	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(AB)
XPA1	21-5	1250	11419	Wed	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(AB)
XPA1	23-5	1210	13419	Fri	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(AB)
XPA1	23-5	1230	12219	Fri	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(AB)
XPA1	23-5	1250	11419	Fri	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(AB)
XPA1	28-5	1230	12219	Wed	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(PY)
XPA1	28-5	1250	11419	Wed	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(PY)
XPA1	30-5	1230	12219	Fri	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(PY)
XPA1	30-5	1250	11419	Fri	424 424 424 1 08398 00162 68412 ... 60933 84344 56606	MFSK-20/10Bd	(PY)
XPA2	1-5	0910	14794	Thu	01832 00001 00000 36254	MFSK-16/20Bd	(AB)

XPA2	1-5	0930	13994	Thu	01832 00001 00000 36254	MFSK-16/20Bd	(AB)
XPA2	1-5	0950	12194	Thu	01832 00001 00000 36254	MFSK-16/20Bd	(AB)
XPA2	1-5	1100	16147	Thu	04840 00001 00000 35260	MFSK-16/20Bd	(AB/HFD)
XPA2	1-5	1120	15847	Thu	04840 00001 00000 35260	MFSK-16/20Bd	(AB/HFD)
XPA2	1-5	1140	14747	Thu	04840 00001 00000 35260	MFSK-16/20Bd	(AB/HFD)
XPA2	1-5	1700	19561	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	1-5	1720	18365	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	1-5	1740	17468	Thu	Message	MFSK-16/20Bd	(HFD)
XPA2	2-5	1100	16159	Fri	04033 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	2-5	1120	14359	Fri	04033 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	2-5	1140	13459	Fri	04033 00001 00000 10140	MFSK-16/20Bd	(AB/HFD)
XPA2	2-5	1800	15872	Fri	00764 00112 09487 ... 96254 93810 10660	MFSK-16/20Bd	(AB/HFD)
XPA2	2-5	1820	14972	Fri	00764 00112 09487 ... 96254 93810 10660	MFSK-16/20Bd	(AB/HFD)
XPA2	2-5	1840	13872	Fri	00764 00112 09487 ... 96254 93810 10660	MFSK-16/20Bd	(AB/HFD)
XPA2	3-5	0910	14794	Sat	03877 00001 00000 40662	MFSK-16/20Bd	(AB/HFD)
XPA2	3-5	0930	13994	Sat	03877 00001 00000 40662	MFSK-16/20Bd	(AB/HFD)
XPA2	3-5	0950	12194	Sat	03877 00001 00000 40662	MFSK-16/20Bd	(AB/HFD)
XPA2	3-5	1500	15938	Sat	01169 00001 00000 35265	MFSK-16/20Bd	(AB/HFD)
XPA2	3-5	1520	14538	Sat	01169 00001 00000 35265	MFSK-16/20Bd	(AB/HFD)
XPA2	3-5	1540	13438	Sat	01169 00001 00000 35265	MFSK-16/20Bd	(AB)
XPA2	5-5	0700	12148	Mon	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	5-5	0720	13448	Mon	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	5-5	0740	13948	Mon	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	5-5	0910	17431	Mon	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	5-5	0930	15841	Mon	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	5-5	0950	13934	Mon	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	5-5	1500	15938	Mon	05004 00188 68851 ... 67027 28226 70604	MFSK-16/20Bd	(AB)
XPA2	5-5	1520	14538	Mon	05004 00188 68851 ... 67027 28226 70604	MFSK-16/20Bd	(AB)
XPA2	5-5	1540	13438	Mon	05004 00188 68851 ... 67027 28226 70604	MFSK-16/20Bd	(AB)
XPA2	6-5	0700	12148	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	6-5	0720	13448	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	6-5	0740	13948	Tue	Message	MFSK-16/20Bd	(HFD)
XPA2	6-5	1100	16159	Tue	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	6-5	1120	14359	Tue	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	6-5	1140	13459	Tue	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	6-5	1700	19561	Tue	00781 00124 59116 ... 36718 80864 43721	MFSK-16/20Bd	(AB)
XPA2	6-5	1720	18365	Tue	00781 00124 59116 ... 36718 80864 43721	MFSK-16/20Bd	(AB)
XPA2	6-5	1740	17468	Tue	00781 00124 59116 ... 36718 80864 43721	MFSK-16/20Bd	(AB)
XPA2	7-5	0700	12148	Wed	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	7-5	0720	13448	Wed	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	7-5	0740	13948	Wed	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	7-5	0910	17431	Wed	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)

XPA2	7-5	0930	15841	Wed	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	7-5	0950	13934	Wed	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	7-5	1100	16147	Wed	06369 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	7-5	1120	15847	Wed	06369 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	7-5	1140	14747	Wed	06369 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	7-5	1800	15872	Wed	06404 00123 63993 ... 09035 66519 77116	MFSK-16/20Bd	(AB)
XPA2	7-5	1820	14972	Wed	06404 00123 63993 ... 09035 66519 77116	MFSK-16/20Bd	(AB)
XPA2	7-5	1840	13872	Wed	06404 00123 63993 ... 09035 66519 77116	MFSK-16/20Bd	(AB)
XPA2	8-5	0910	14794	Thu	01499 00089 37468 ... 14289 86405 74456	MFSK-16/20Bd	(AB)
XPA2	8-5	0930	13994	Thu	01499 00089 37468 ... 14289 86405 74456	MFSK-16/20Bd	(AB)
XPA2	8-5	0950	12194	Thu	01499 00089 37468 ... 14289 86405 74456	MFSK-16/20Bd	(AB)
XPA2	8-5	1100	16147	Thu	02777 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	8-5	1120	15847	Thu	02777 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	8-5	1140	14747	Thu	02777 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	8-5	1700	19561	Thu	00781 00124 59116 ... 36718 80864 43721	MFSK-16/20Bd	(AB)
XPA2	8-5	1720	18365	Thu	00781 00124 59116 ... 36718 80864 43721	MFSK-16/20Bd	(AB)
XPA2	8-5	1740	17468	Thu	00781 00124 59116 ... 36718 80864 43721	MFSK-16/20Bd	(AB)
XPA2	9-5	1800	15872	Fri	06404 00123 63993 ... 09035 66519 77116	MFSK-16/20Bd	(AB)
XPA2	9-5	1820	14972	Fri	06404 00123 63993 ... 09035 66519 77116	MFSK-16/20Bd	(AB)
XPA2	9-5	1840	13872	Fri	06404 00123 63993 ... 09035 66519 77116	MFSK-16/20Bd	(AB)
XPA2	10-5	0910	14794	Sat	01499 00089 37468 ... 14289 86405 74456	MFSK-16/20Bd	(AB)
XPA2	10-5	0930	13994	Sat	01499 00089 37468 ... 14289 86405 74456	MFSK-16/20Bd	(AB)
XPA2	10-5	0950	12194	Sat	01499 00089 37468 ... 14289 86405 74456	MFSK-16/20Bd	(AB)
XPA2	10-5	1500	15938	Sat	05004 00188 68851 ... 67027 28226 70604	MFSK-16/20Bd	(AB)
XPA2	10-5	1520	14538	Sat	05004 00188 68851 ... 67027 28226 70604	MFSK-16/20Bd	(AB)
XPA2	10-5	1540	13438	Sat	05004 00188 68851 ... 67027 28226 70604	MFSK-16/20Bd	(AB)
XPA2	12-5	0700	12148	Mon	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	12-5	0720	13448	Mon	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	12-5	0740	13948	Mon	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	12-5	0910	17431	Mon	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	12-5	0930	15841	Mon	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	12-5	0950	13934	Mon	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	12-5	1500	15938	Mon	04308 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	12-5	1520	14538	Mon	04308 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	12-5	1540	13438	Mon	04308 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	13-5	1100	16159	Tue	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	13-5	1120	14359	Tue	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	13-5	1140	13459	Tue	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	13-5	1700	19561	Tue	04428 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	13-5	1720	18365	Tue	04428 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	13-5	1740	17468	Tue	04428 00001 00000 37256	MFSK-16/20Bd	(AB)
XPA2	14-5	0700	12148	Wed	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)

XPA2	14-5	0720	13448	Wed	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	14-5	0740	13948	Wed	09879 00144 43473 ... 36407 04823 06737	MFSK-16/20Bd	(AB)
XPA2	14-5	0910	17431	Wed	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	14-5	0930	15841	Wed	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	14-5	0950	13934	Wed	00311 00055 44939 ... 71548 93850 73506	MFSK-16/20Bd	(AB)
XPA2	14-5	1100	16147	Wed	07061 00099 65523 ... 88921 31879 51600	MFSK-16/20Bd	(AB)
XPA2	14-5	1120	15847	Wed	07061 00099 65523 ... 88921 31879 51600	MFSK-16/20Bd	(AB)
XPA2	14-5	1140	14747	Wed	07061 00099 65523 ... 88921 31879 51600	MFSK-16/20Bd	(AB)
XPA2	14-5	1800	15872	Wed	09413 00135 65279 ... 41301 89535 44673	MFSK-16/20Bd	(AB)
XPA2	14-5	1820	14972	Wed	09413 00135 65279 ... 41301 89535 44673	MFSK-16/20Bd	(AB)
XPA2	14-5	1840	13872	Wed	09413 00135 65279 ... 41301 89535 44673	MFSK-16/20Bd	(AB)
XPA2	15-5	0910	14794	Thu	00629 00183 30199 ... 36962 42773 72113	MFSK-16/20Bd	(AB)
XPA2	15-5	0930	13994	Thu	00629 00183 30199 ... 36962 42773 72113	MFSK-16/20Bd	(AB)
XPA2	15-5	0950	12194	Thu	00629 00183 30199 ... 36962 42773 72113	MFSK-16/20Bd	(AB)
XPA2	15-5	1100	16147	Thu	07061 00099 65523 ... 88910 31779 51666	MFSK-16/20Bd	(AB)
XPA2	15-5	1120	15847	Thu	07061 00099 65523 ... 88910 31779 51666	MFSK-16/20Bd	(AB)
XPA2	15-5	1140	14747	Thu	07061 00099 65523 ... 88910 31779 51666	MFSK-16/20Bd	(AB)
XPA2	15-5	1700	19561	Thu	06540 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	15-5	1720	18365	Thu	06540 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	15-5	1740	17468	Thu	06540 00001 00000 33661	MFSK-16/20Bd	(AB)
XPA2	16-5	1100	16159	Fri	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	16-5	1120	14359	Fri	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	16-5	1140	13459	Fri	06329 00117 17431 ... 61902 25270 63141	MFSK-16/20Bd	(AB)
XPA2	16-5	1800	15872	Fri	09413 00135 65279 ... 41301 89535 44673	MFSK-16/20Bd	(AB)
XPA2	16-5	1820	14972	Fri	09413 00135 65279 ... 41301 89535 44673	MFSK-16/20Bd	(AB)
XPA2	16-5	1840	13872	Fri	09413 00135 65279 ... 41301 89535 44673	MFSK-16/20Bd	(AB)
XPA2	17-5	0920	19246	Sat	Message	MFSK-16/20Bd	(FD)
XPA2	17-5	0940	18479	Sat	Message	MFSK-16/20Bd	(FD)
XPA2	17-5	1500	15938	Sat	05129 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	17-5	1520	14538	Sat	05129 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	17-5	1540	13438	Sat	05129 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	19-5	0700	12148	Mon	04952 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	19-5	0720	13448	Mon	04952 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	19-5	0740	13948	Mon	04952 00001 00000 36661	MFSK-16/20Bd	(AB)
XPA2	19-5	0910	17431	Mon	00190 00125 64933 ... 76249 88076 04503	MFSK-16/20Bd	(AB)
XPA2	19-5	0930	15841	Mon	00190 00125 64933 ... 76249 88076 04503	MFSK-16/20Bd	(AB)
XPA2	19-5	0950	13934	Mon	00190 00125 64933 ... 76249 88076 04503	MFSK-16/20Bd	(AB)
XPA2	19-5	1500	15938	Mon	05193 00106 83230 ... 37393 51799 33355	MFSK-16/20Bd	(AB)
XPA2	19-5	1520	14538	Mon	05193 00106 83230 ... 37393 51799 33355	MFSK-16/20Bd	(AB)
XPA2	19-5	1540	13438	Mon	05193 00106 83230 ... 37393 51799 33355	MFSK-16/20Bd	(AB)
XPA2	20-5	1100	16159	Tue	02566 00065 80025 ... 82393 55350 10130	MFSK-16/20Bd	(AB)
XPA2	20-5	1120	14359	Tue	02566 00065 80025 ... 82393 55350 10130	MFSK-16/20Bd	(AB)

XPA2	20-5	1140	13459	Tue	02566 00065 80025 ... 82393 55350 10130	MFSK-16/20Bd	(AB)
XPA2	20-5	1700	19561	Tue	00612 00173 30062 ... 09361 39687 21446	MFSK-16/20Bd	(AB)
XPA2	20-5	1720	18365	Tue	00612 00173 30062 ... 09361 39687 21446	MFSK-16/20Bd	(AB)
XPA2	20-5	1740	17468	Tue	00612 00173 30062 ... 09361 39687 21446	MFSK-16/20Bd	(AB)
XPA2	21-5	0700	12148	Wed	06385 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	21-5	0720	13448	Wed	06385 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	21-5	0740	13948	Wed	06385 00001 00000 35266	MFSK-16/20Bd	(AB)
XPA2	21-5	0910	17431	Wed	00190 00125 64933 ... 76249 88076 04503	MFSK-16/20Bd	(AB/HFD)
XPA2	21-5	0930	15841	Wed	00190 00125 64933 ... 76249 88076 04503	MFSK-16/20Bd	(AB/HFD)
XPA2	21-5	0950	13934	Wed	00190 00125 64933 ... 76249 88076 04503	MFSK-16/20Bd	(AB/HFD)
XPA2	21-5	1100	16147	Wed	07061 00099 65523 ... 88921 31879 51600	MFSK-16/20Bd	(AB)
XPA2	21-5	1120	15847	Wed	07061 00099 65523 ... 88921 31879 51600	MFSK-16/20Bd	(AB)
XPA2	21-5	1140	14747	Wed	07061 00099 65523 ... 88921 31879 51600	MFSK-16/20Bd	(AB)
XPA2	21-5	1800	15872	Wed	Off after 1m28s	MFSK-16/20Bd	(AB)
XPA2	21-5	1820	14972	Wed	09617 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	21-5	1840	13872	Wed	09617 00001 00000 37662	MFSK-16/20Bd	(AB)
XPA2	22-5	0900	20158	Thu	05885 00001 00000 40255	MFSK-16/20Bd	(qsr177)
XPA2	22-5	0920	19246	Thu	05885 00001 00000 40255	MFSK-16/20Bd	(qsr177)
XPA2	22-5	0940	18479	Thu	05885 00001 00000 40255	MFSK-16/20Bd	(qsr177)
XPA2	22-5	1100	16147	Thu	07061 00099 65523 ... 88910 31779 51666	MFSK-16/20Bd	(AB)
XPA2	22-5	1120	15847	Thu	07061 00099 65523 ... 88910 31779 51666	MFSK-16/20Bd	(AB)
XPA2	22-5	1140	14747	Thu	07061 00099 65523 ... 88910 31779 51666	MFSK-16/20Bd	(AB)
XPA2	22-5	1700	19561	Thu	00612 00173 30062 ... 09361 39687 21446	MFSK-16/20Bd	(AB)
XPA2	22-5	1720	18365	Thu	00612 00173 30062 ... 09361 39687 21446	MFSK-16/20Bd	(AB)
XPA2	22-5	1740	17468	Thu	00612 00173 30062 ... 09361 39687 21446	MFSK-16/20Bd	(AB)
XPA2	23-5	1100	16159	Fri	02566 00065 80025 ... 82393 55350 10130	MFSK-16/20Bd	(AB)
XPA2	23-5	1120	14359	Fri	02566 00065 80025 ... 82393 55350 10130	MFSK-16/20Bd	(AB)
XPA2	23-5	1140	13459	Fri	02566 00065 80025 ... 82393 55350 10130	MFSK-16/20Bd	(AB)
XPA2	23-5	1800	15872	Fri	08202 00001 00000 22560	MFSK-16/20Bd	(AB)
XPA2	23-5	1820	14972	Fri	08202 00001 00000 22560	MFSK-16/20Bd	(AB)
XPA2	23-5	1840	13872	Fri	08202 00001 00000 22560	MFSK-16/20Bd	(AB)
XPA2	24-5	0900	20158	Sat	07415 00001 00000 35660	MFSK-16/20Bd	(PY)
XPA2	24-5	0920	19246	Sat	07415 00001 00000 35660	MFSK-16/20Bd	(PY)
XPA2	24-5	0940	18479	Sat	07415 00001 00000 35660	MFSK-16/20Bd	(PY)
XPA2	24-5	1500	15938	Sat	05193 00106 83230 ... 37393 51799 33355	MFSK-16/20Bd	(AB/PY)
XPA2	24-5	1520	14538	Sat	05193 00106 83230 ... 37393 51799 33355	MFSK-16/20Bd	(AB/PY)
XPA2	24-5	1540	13438	Sat	05193 00106 83230 ... 37393 51799 33355	MFSK-16/20Bd	(AB/PY)
XPA2	26-5	0700	12148	Mon	09254 00001 00000 34266	MFSK-16/20Bd	(AB/PY)
XPA2	26-5	0720	13448	Mon	09254 00001 00000 34266	MFSK-16/20Bd	(AB/PY)
XPA2	26-5	0740	13948	Mon	09254 00001 00000 34266	MFSK-16/20Bd	(AB/PY)
XPA2	26-5	0910	17431	Mon	00829 00110 60709 ... 90200 70056 00567	MFSK-16	(PY)
XPA2	26-5	1500	15938	Mon	02780 00001 00000 34662	MFSK-16	(PY)

XPA2	26-5	1520	14538	Mon	02780 00001 00000 34662	MFSK-16	(PY)
XPA2	27-5	1100	16159	Tue	01932 00184 44603 ... 04217 12093 44266	MFSK-16	(PY)
XPA2	27-5	1700	19561	Tue	04713 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	27-5	1720	18365	Tue	04713 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	27-5	1740	17468	Tue	04713 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	28-5	0700	12148	Wed	03138 00001 00000 35657	MFSK-16/20Bd	(AB/PY)
XPA2	28-5	0720	13448	Wed	03138 00001 00000 35657	MFSK-16/20Bd	(AB/PY)
XPA2	28-5	0740	13948	Wed	03138 00001 00000 35657	MFSK-16/20Bd	(AB/PY)
XPA2	28-5	0930	15841	Wed	00829 00110 60709 ... 90200 70056 00567	MFSK-16	(PY)
XPA2	28-5	0950	13934	Wed	00829 00110 60709 ... 90200 70056 00567	MFSK-16	(PY)
XPA2	28-5	1100	16147	Wed	04772 00001 00000 35663	MFSK-16	(PY)
XPA2	29-5	0900	20158	Thu	00744 00028 96921 ... 15059 90969 60221	MFSK-16	(PY)
XPA2	29-5	0920	19246	Thu	00744 00028 96921 ... 15059 90969 60221	MFSK-16	(PY)
XPA2	29-5	1100	16147	Thu	08694 00001 00000 36271	MFSK-16	(PY)
XPA2	29-5	1120	15847	Thu	08694 00001 00000 36271	MFSK-16	(PY)
XPA2	30-5	1100	16159	Fri	01932 00184 44603 ... 04217 12093 44266	MFSK-16	(PY)
XPA2	30-5	1120	14359	Fri	01932 00184 44603 ... 04217 12093 44266	MFSK-16	(PY)
XPA2	30-5	1800	15872	Fri	00026 00248 21374 ... 29793 21584 05311	MFSK-16/20Bd	(AB)
XPA2	30-5	1820	14972	Fri	00026 00248 21374 ... 29793 21584 05311	MFSK-16/20Bd	(AB)
XPA2	30-5	1840	13872	Fri	00026 00248 21374 ... 29793 21584 05311	MFSK-16/20Bd	(AB)
XPA2	31-5	0900	20158	Sat	00744 00028 96921 ... 15059 90969 60221	MFSK-16	(PY)
XPA2	31-5	0920	19246	Sat	00744 00028 96921 ... 15059 90969 60221	MFSK-16	(PY)
XPA2	31-5	1500	15938	Sat	06619 00001 00000 40657	MFSK-16	(PY)
XPA2	31-5	1520	14538	Sat	06619 00001 00000 40657	MFSK-16	(PY)
XPB1	2-5	1300	20061	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-5	1310	19361	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-5	1320	18261	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-5	1330	17461	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-5	1340	16261	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	2-5	1350	14961	Fri	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-5	1100	13961	Sat	Russian intel.	MFSK-16	(AB)
XPB1	3-5	1110	13361	Sat	Russian intel.	MFSK-16	(AB)
XPB1	3-5	1120	12161	Sat	Russian intel.	MFSK-16	(AB)
XPB1	3-5	1130	11461	Sat	Russian intel.	MFSK-16	(AB)
XPB1	3-5	1140	10761	Sat	Russian intel.	MFSK-16	(AB)
XPB1	3-5	1150	10161	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-5	0500	19554	Mon	Russian intel.	MFSK-16	(TM)
XPB1	5-5	0510	19054	Mon	Russian intel.	MFSK-16	(TM)
XPB1	5-5	0520	18054	Mon	Russian intel.	MFSK-16	(TM)
XPB1	5-5	0530	17454	Mon	Russian intel.	MFSK-16	(TM)
XPB1	5-5	0540	16354	Mon	Russian intel.	MFSK-16	(TM)
XPB1	5-5	0550	15854	Mon	Russian intel.	MFSK-16	(TM)

XPB1	6-5	0500	19554	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-5	0510	19054	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-5	0520	18054	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-5	0530	17454	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-5	0540	16354	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-5	0550	15854	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	6-5	1300	20061	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-5	1310	19361	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-5	1320	18261	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-5	1330	17461	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-5	1340	16261	Tue	Russian intel.	MFSK-16	(AB)
XPB1	6-5	1350	14961	Tue	Russian intel.	MFSK-16	(AB)
XPB1	7-5	1100	13961	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-5	1110	13361	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-5	1120	12161	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-5	1130	11461	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-5	1140	10761	Wed	Russian intel.	MFSK-16	(AB)
XPB1	7-5	1150	10161	Wed	Russian intel.	MFSK-16	(AB)
XPB1	9-5	1300	20061	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-5	1310	19361	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-5	1320	18261	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-5	1330	17461	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-5	1340	16261	Fri	Russian intel.	MFSK-16	(AB)
XPB1	9-5	1350	14961	Fri	Russian intel.	MFSK-16	(AB)
XPB1	10-5	1100	13961	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-5	1110	13361	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-5	1120	12161	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-5	1130	11461	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-5	1140	10761	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	10-5	1150	10161	Sat	Russian intel.	MFSK-16	(AB/HFD)
XPB1	12-5	0500	19554	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	12-5	0510	19054	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	12-5	0520	18054	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	12-5	0530	17454	Mon	Russian intel.	MFSK-16	(TM)
XPB1	12-5	0540	16354	Mon	Russian intel.	MFSK-16	(TM)
XPB1	12-5	0550	15854	Mon	Russian intel.	MFSK-16	(TM)
XPB1	13-5	0500	19554	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	0510	19054	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	0520	18054	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	0530	17454	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	0540	16354	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	0550	15854	Tue	Russian intel.	MFSK-16	(AB)

XPB1	13-5	1300	20061	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	1310	19361	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	1320	18261	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	1330	17461	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	1340	16261	Tue	Russian intel.	MFSK-16	(AB)
XPB1	13-5	1350	14961	Tue	Russian intel.	MFSK-16	(AB)
XPB1	14-5	1100	13961	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-5	1110	13361	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-5	1120	12161	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-5	1130	11461	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-5	1140	10761	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-5	1150	10161	Wed	Russian intel.	MFSK-16	(AB)
XPB1	16-5	1300	20061	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-5	1310	19361	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-5	1320	18261	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-5	1330	17461	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-5	1340	16261	Fri	Russian intel.	MFSK-16	(AB)
XPB1	16-5	1350	14961	Fri	Russian intel.	MFSK-16	(AB)
XPB1	17-5	1100	13961	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-5	1110	13361	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-5	1120	12161	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-5	1130	11461	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-5	1140	10761	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-5	1150	10161	Sat	Russian intel.	MFSK-16	(AB)
XPB1	19-5	0500	19554	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	19-5	0510	19054	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	19-5	0520	18054	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	19-5	0530	17454	Mon	Russian intel.	MFSK-16	(TM)
XPB1	19-5	0540	16354	Mon	Russian intel.	MFSK-16	(TM)
XPB1	19-5	0550	15854	Mon	Russian intel.	MFSK-16	(TM)
XPB1	20-5	0500	19554	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	0510	19054	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	0520	18054	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	0530	17454	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	0540	16354	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	0550	15854	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	1300	20061	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	1310	19361	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	1320	18261	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	1330	17461	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	1340	16261	Tue	Russian intel.	MFSK-16	(AB)
XPB1	20-5	1350	14961	Tue	Russian intel.	MFSK-16	(AB)

XPB1	21-5	1100	13961	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-5	1110	13361	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-5	1120	12161	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-5	1130	11461	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-5	1140	10761	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-5	1150	10161	Wed	Russian intel.	MFSK-16	(AB)
XPB1	23-5	1300	20061	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-5	1310	19361	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-5	1320	18261	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-5	1330	17461	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-5	1340	16261	Fri	Russian intel.	MFSK-16	(AB)
XPB1	23-5	1350	14961	Fri	Russian intel.	MFSK-16	(AB)
XPB1	24-5	1100	13961	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-5	1110	13361	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-5	1120	12161	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-5	1130	11461	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-5	1140	10761	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-5	1150	10161	Sat	Russian intel.	MFSK-16	(AB)
XPB1	26-5	0500	19554	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	26-5	0510	19054	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	26-5	0520	18054	Mon	Russian intel.	MFSK-16	(AB-S)
XPB1	26-5	0530	17454	Mon	Russian intel.	MFSK-16	(TM)
XPB1	26-5	0540	16354	Mon	Russian intel.	MFSK-16	(TM)
XPB1	26-5	0550	15854	Mon	Russian intel.	MFSK-16	(TM)
XSL	22-5	0536	4153	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	4231.5	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	4291	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	6250	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	6417	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	6445	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	8313	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	8588	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)
XSL	22-5	0536	8703.5	Thu	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd.	(AB-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-CYP	Ary Boender via remote rx Cyprus
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-HRV	Ary Boender via remote rx Croatia
AB-J	Ary Boender via remote rx Japan
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
AB-USA	Ary Boender via remote rx USA
BR	Brian Rogers, UK
Dan	Daniel LU5EMM, Argentina
EL	EnryLol via Pryom
FD	Full Day Waterfall, University Twente SDR
Fspy	Feline Spy SWL
GCT	Graham
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
HK	Hiroyuki Komatsubara, Japan
JPL	JPL, NB, Canada (and various remote rx)
JPL-HK	JPL via remote rx Hong Kong
JPL-J	JPL via remote rx Japan
JPL-RUS	JPL via remote rx Russia
JPL-TWN	JPL via remote rx Taiwan
Karman	Karman via Priyom
KX0DW-J	Dave Wright via remote rx Japan
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
Priyom	Priyom team
PY	Pierre Ynard, France and via remote rx
qsr711	QSR711
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
T101	RadiotehnikaT101 via Priyom
TJ	Trond Jacobsen, Norway
TM	Time Machine

APPENDIX

List of active stations

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		XP	MFSK (polytone) modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06, V06 and other variants are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army
M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHXD YHXD YHXD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military

M89v	M89 voice transmissions	CHN		Chinese military
M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy

Morse characters

A	. -	1	. - - - -	Full stop (period)	[.]	. - . - . -
B	- . . .	2	. . - - -	Comma	[,]	- - . . - -
C	- . - .	3	. . . - -	Colon	[:]	- - - . . .
D	- . .	4	 -	Question mark	[?]	. . - - . .
E	.	5		Exclamation mark	[!]	- . - . - -
F	. . - .	6	-	Apostrophe	[']	. - - - . .
G	- - .	7	- - . . .	Dash or Hyphen	[-]	- -
H		8	- - - . .	Slash	[/]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[(]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[)]	- . - - . -
K	- . -			Quotation marks	[" "]	. - . . - .
L	. - . .			Equals sign	[BT =]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .			Plus sign	[+]	. - . - .
O	- - -			Invitation to transmit		- . -
P	. - . .			Wait	[AS]	. - . . .
Q	- - . -			End of Transmission	[SK, VA]	. . . - . -
R	. - .	Ü	. . - -	End of message	[AR]	. - . - .
S	. . .			Starting signal		- . . - .
T	-			Multiplication sign	[×]	- . . -
U	. . -			At sign	[@]	. - - . - .
V	. . . -			Break	[BK]	- . . . - .
W	. - -			Ampersand	[&]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

For Cyrillic morse etc., see also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	- . . - .
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	It'nien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	nul	Null	Zero
1	. — — — —	Một	Van	adinka	Eins	One
2	. . — — —	Hai	To	dvoyka	Twso	Two
3	. . . — —	Ba	Fwee	troyka	Drei	Three
4	 —	Bô'n	Fo	chetvyorka	Vier	Four
5		Năm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— — . . .	Ba y	Seven	syem	Sieben	Seven
8	— — — . .	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	—					
/	—					

Note: E17z, M03 and M08a are defunct.

COLOPHON

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

Google Earth images: Copyright © Google

Portions of this newsletter may be used in electronic or printed hobby bulletins without prior approval so long as "Numbers & Oddities" is credited as the source. This newsletter may NOT be utilized, partly or wholly, in any other COMMERCIAL media format without the written permission of the Editor. Any breach of this may result in action under international copyright legislation.

Relevant mailing lists and websites:

NUMBERS & ODDITIES <http://www.numbersoddities.nl>

SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>

UDXF - UTILITY DXERS FORUM <http://www.udxf.nl>

HF UNDERGROUND <http://www.hfunderground.com/board/>

PRIYOM <http://priyom.org/>

ENIGMA <http://www.signalshed.com/>

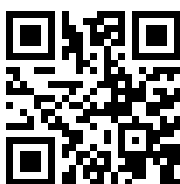
NUMBERS STATIONS SCHEDULES <http://priyom.org/number-stations/station-schedule>

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.gth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

070 27364 92636 09428 61208 14982 36998 32764 31276 01
086 80932 70987 32123 49817 26346 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 74
423 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 76329 74698 76857 98670 27601 56701 57601 73648 1
591 87364 87265 96710 27630 12673 84769 28743 98127 5
0 63298 75698 27465 87326 49876 28376 81273 98615 0
67 87432 74328 78674 29867 32867 67867 86796 43246 86
57 68768 68763 84234 34238 68768 62345 48273 48768 23
736 98432 32432 86743 43286 43286 43286 43286 43286 43
743 86743 86743 39867 32867 86743 43286 43286 43243 86
741 86743 86743 86743 86743 86743 86743 86743 86743 43
343 98798 98754 98754 98754 98754 29867 67543 67986 86
876 87698 69876 87698 69876 87612 12341 34867 86798 68
467 43298 65656 55756 56123 32143 14321 32143 14321 321
0 2767 58761 76587 58765 76587 58765 76587 58756 765
6574 96547 96547 96547 96547 96547 96547 96547 96547 96

N&O



UDXF

